

APPLICANT: Heston, Warren D.W.
APPLICANT: Fair, William R.
APPLICANT: Overfell, Ouathek
APPLICANT: Pinto, John
TITLE OF INVENTION: PROSTATE-SPECIFIC MEMBRANE ANTIGEN AND USES THEREOF
FILE REFERENCE: 1769/41428-G
CURRENT APPLICATION NUMBER: US/08/705,477E
CURRENT FILING DATE: 1996-08-29
NUMBER OF SEQ ID NOS: 128
SOFTWARE: Patentin version 3.1
SEQ ID NO: 96
LENGTH: 783
TYPE: DNA
ORGANISM: Homo sapiens
US-08-705-477E-96

Query Match 3.0%; Score 59; DB 4; Length 783;
Best Local Similarity 100.0%; Pred. No. 3.2e-16;
Matches 59; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 36 AAATCGATGTTCTGAGATTTTATAGCTTATAGTACAAAAGGAAATTTCT 94
Db 580 AAATCGATGTTCTGAGATTTTATAGCTTATAGTACAAAAGGAAATTTCT 638

RESULT 12
US-08-832-468-2
Sequence 2, Application US/08832468
Patent No. 5962237
GENERAL INFORMATION:
APPLICANT: Ts'O, Paul O.P.
APPLICANT: Wang, Zheng-Pin
APPLICANT: Lesko, Stephen A.
APPLICANT: Nelson, William G.
APPLICANT: Partin, Alan W.
TITLE OF INVENTION: A METHOD OF ENRICHING RARE CELLS
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: Leydig, Voit & Mayer, Ltd.
STREET: 700 Thirteenth St., NW
CITY: Washington
STATE: DC
COUNTRY: US
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/832,468
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60-014929
FILING DATE: 05-APR-1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Jay, Jeremy M.
REGISTRATION NUMBER: 33587
REFERENCE/DOCKET NUMBER: 72466
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-737-6770
TELEFAX: 202-737-6776
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 50 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid (synthetic DNA)
US-08-832-468-2

Query Match 2.5%; Score 50; DB 2; Length 50;
Best Local Similarity 100.0%; Pred. No. 2.7e-12;
Matches 50; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1262 AGGTCTAGCAACATATGATGTTGATGAAAGTTTATGATCAATGTT 1311
Db 1 AGGTCTAGCAACATATGATGTTGATGAAAGTTTATGATCAATGTT 50

RESULT 13
US-08-832-468-6
Sequence 6, Application US/08832468
Patent No. 5962237
GENERAL INFORMATION:
APPLICANT: Ts'O, Paul O.P.
APPLICANT: Wang, Zheng-Pin
APPLICANT: Lesko, Stephen A.
APPLICANT: Nelson, William G.
APPLICANT: Partin, Alan W.
TITLE OF INVENTION: A METHOD OF ENRICHING RARE CELLS
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: Leydig, Voit & Mayer, Ltd.
STREET: 700 Thirteenth St., NW
CITY: Washington
STATE: DC
COUNTRY: US
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/832,468
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60-014929
FILING DATE: 05-APR-1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Jay, Jeremy M.
REGISTRATION NUMBER: 33587
REFERENCE/DOCKET NUMBER: 72466
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-737-6770
TELEFAX: 202-737-6776
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 50 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid (synthetic DNA)
US-08-832-468-6

Query Match 2.5%; Score 50; DB 2; Length 50;
Best Local Similarity 100.0%; Pred. No. 2.7e-12;
Matches 50; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1352 GTGTTGAGTTCAGCAATTCATATGCTCCCTTTGATTTGTCAGATTA 1401
Db 1 GTGTTGAGTTCAGCAATTCATATGCTCCCTTTGATTTGTCAGATTA 50

RESULT 14
US-08-394-152A-45/C
Sequence 45, Application US/08394152A
Patent No. 5935818
GENERAL INFORMATION:
APPLICANT: Israel, Ron S.
APPLICANT: Heston, Warren D.W.

THIS PAGE BLANK (USPTO)

GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: February 17, 2004, 16:54:30 ; Search time 5285 Seconds

(without alignments)
16336.674 Million cell updates/sec

Title: US-09-973-382C-1

Perfect score: 1992

Sequence: 1 agcaatactcactaccaca.....taaaaaaaaaaaaaaaaaa 1992

Scoring table: OLIGO_NTC

Gapop 60.0 , Gapext 60.0

Word size : 0

Total number of hits satisfying chosen parameters: 6940544

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Listing first 45 summaries

Database :

```

GenBml:
1: gb_da:*
2: gb_htg:*
3: gb_in:*
4: gb_om:*
5: gb_ov:*
6: gb_pat:*
7: gb_ph:*
8: gb_pl:*
9: gb_pr:*
10: gb_ro:*
11: gb_sts:*
12: gb_sy:*
13: gb_un:*
14: gb_vi:*
15: gb_da:*
16: em_fun:*
17: em_hum:*
18: em_in:*
19: em_mu:*
20: em_om:*
21: em_ov:*
22: em_ov:*
23: em_pat:*
24: em_ph:*
25: em_pl:*
26: em_ro:*
27: em_sts:*
28: em_un:*
29: em_un:*
30: em_vl:*
31: em_vl:*
32: em_vl:*
33: em_vl:*
34: em_vl:*
35: em_vl:*
36: em_vl:*
37: em_vl:*
38: em_vl:*
39: em_vl:*
40: em_vl:*
41: em_vl:*

```

Pred. No. is the number of results predicted by chance to have a

score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1992	100.0	1992	9	AF261715
2	810	40.7	2061	6	AX403107
3	742	37.2	2558	6	AX376036
4	646	32.4	2253	6	AX467227
5	646	32.4	2253	6	BD224135
6	646	32.4	2472	9	BC025672
7	646	32.4	2518	9	AF176574
8	646	32.4	2653	6	123794
9	646	32.4	2653	6	AX337951
10	646	32.4	2653	6	AX337498
11	646	32.4	2653	6	AX505108
12	646	32.4	2653	6	HUMPSM
13	595	29.9	2253	9	AY101595
14	428	21.5	13788	9	AP003122
15	428	21.5	192648	2	AC024234
16	385	19.3	2387	6	AR338033
17	311	15.6	40131	2	AC136711
18	311	15.6	192648	2	AC024234
19	222	11.1	7710	9	AF027824
20	215	10.8	93525	9	AF007544
21	215	10.8	157527	9	AC117746
22	215	10.8	158524	2	AL162372
23	215	10.8	187529	9	AC118273
24	215	10.8	246865	2	AC074003
25	201	10.1	573	9	AF254357
26	137	6.9	156255	2	AP002369
27	119	6.0	156255	2	AP002369
28	117	5.9	455	9	AF254358
29	108	5.4	231	6	BD242346
30	108	5.4	231	6	AR251022
31	108	5.4	231	6	AR278553
32	108	5.4	231	6	AR367249
33	108	5.4	231	6	AR371145
34	108	5.4	231	6	AR400285
35	108	5.4	231	6	AR405552
36	108	5.4	231	6	AX106673
37	108	5.4	231	6	AX140964
38	108	5.4	231	6	AX200824
39	108	5.4	231	6	AX267480
40	94	4.7	40131	2	AC136711
41	94	4.7	246865	2	AC074003
42	89	4.5	68842	2	AC137087
43	82	4.1	228	9	AF007412
44	75	3.8	261	9	AF007413
45	71	3.6	67466	2	AC103729

ALIGNMENTS

RESULT 1	LOCUS	DEFINITION	ACCESSION	VERSION	KEYWORDS	SOURCE	ORGANISM	REFERENCE	AUTHORS	TITLE
AF261715	AF261715	1992 bp mRNA	AF261715	AF261715	GI.11078563	Homo sapiens (human)	Homo sapiens	Bukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.	O'Keefe, D.S., Bacich, D.J. and Heston, W.D.W.	Cloning and Characterization of a novel glutamate-preferring


```

Db      1441 TATTTCTATGAAACATCCAGCAAGAAATGAGACATAGGTTATCATTTGATTCACCTTT 1500
Qy      1501 TTCTGCGATAAAAATTTTACAGAAATTCCTTCCAAAGTTACGAGAGACTCCAGACTT 1560
Db      1501 TTCTGCGATAAAAATTTTACAGAAATTCCTTCCAAAGTTACGAGAGACTCCAGACTT 1560
Qy      1561 TGACAAAGCAACCAATATTTTGAAGATGATGATCACTAGTTCTCGGAAG 1620
Db      1561 TGACAAAGCAACCAATATTTTGAAGATGATGATCACTAGTTCTCGGAAG 1620
Qy      1621 AGCATTTATGATTCATTAAGGTTACAGACAGACTTTTATAGGATGTCATCTATGC 1680
Db      1621 AGCATTTATGATTCATTAAGGTTACAGACAGACTTTTATAGGATGTCATCTATGC 1680
Qy      1681 TCCAGACGCAACACAGATGTCAGAGGAGTCACTTCCAGAAATTTATGATGCTCTGTT 1740
Db      1681 TCCAGACGCAACACAGATGTCAGAGGAGTCACTTCCAGAAATTTATGATGCTCTGTT 1740
Qy      1741 TGATATTGAAGCAAGATGAGCCCTTCCAGAGGCTGGGAGATGTAAGAGACGATTTG 1800
Db      1741 TGATATTGAAGCAAGATGAGCCCTTCCAGAGGCTGGGAGATGTAAGAGACGATTTG 1800
Qy      1801 TGTTCAGACCTTCAAGTCAGAGGAGCTGAGAGACTTTGATGATGATGCTTAAGAGA 1860
Db      1801 TGTTCAGACCTTCAAGTCAGAGGAGCTGAGAGACTTTGATGATGATGCTTAAGAGA 1860
Qy      1861 TTCTTTAGACACTCTGATTTGATTTTGTGTGTATGTCACCTCAAGAAATTAATGAGTA 1920
Db      1861 TTCTTTAGACACTCTGATTTGATTTTGTGTGTATGTCACCTCAAGAAATTAATGAGTA 1920
Qy      1921 TATTTGATTAATTTTAAATTTGATATTTGTAATTTAAAGTGAATATATATATATATAT 1980
Db      1921 TATTTGATTAATTTTAAATTTGATATTTGTAATTTAAAGTGAATATATATATATATAT 1980
Qy      1981 AAAAAAAAAAAAAA 1992
Db      1981 AAAAAAAAAAAAAA 1992

RESULT 2
AX403107 2061 bp DNA linear PAT 02-SEP-2002
LOCUS Sequence 2 from Patent WO0226984.
DEFINITION AX403107
ACCESSION AX403107.1 GI:21388049
VERSION
KEYWORDS
SOURCE
ORGANISM Homo sapiens (human)
REFERENCE 1. Homo sapiens
AUTHORS Rhodes, K., Betty, M., Ling, H. P. and An, W.
TITLES Patent: WO 0226984-A 2 04-APR-2002;
JOURNAL Millennium Pharmaceuticals, Inc. (US)
FEATURES
Source
1. 2061
/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

ORIGIN
Query Match 40.7%; Score 810; DB 6; Length 2061;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 810; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1043 CTGAAAAAGCCTGATGAGGCTTTGAGGCAAAATCTTTATGAAAGTGGACTTAAAAA 1102
Db      1252 CTGAAAAAGCCTGATGAGGCTTTGAGGCAAAATCTTTATGAAAGTGGACTTAAAAA 1311
Qy      1103 AGTCTTCCCAAGTTCACTGTCATGCCAGATTAAGCAAAATTTGGATCTGAAATGAT 1162

```

```

Db      1312 AGTCTTCCCAAGTTCACTGTCATGCCAGATTAAGCAAAATTTGGATCTGAAATGAT 1371
Qy      1163 TTGAGGATGTTCTTCCAGACATTTGGAATTTGCTTCAGGCGAGACGAGTATACTAAAAAT 1222
Db      1372 TTGAGGATGTTCTTCCAGACATTTGGAATTTGCTTCAGGCGAGACGAGTATACTAAAAAT 1431
Qy      1223 TGGGAAACAAACAAATTCAGCGGCTATCCACGTATCAACGTCTATGAAACATATAGAG 1282
Db      1432 TGGGAAACAAACAAATTCAGCGGCTATCCACGTATCAACGTCTATGAAACATATAGAG 1491
Qy      1283 TTGTGAAAAAGTTTATGATTCACATGTTTAAATATCACTCACTGAGCCAGTTTGA 1342
Db      1492 TTGTGAAAAAGTTTATGATTCACATGTTTAAATATCACTCACTGAGCCAGTTTGA 1551
Qy      1343 GAGGAGATGTTGTTGAGCTAGCCAAATTCATATGCTCTCTTTGATTTGTCAGATTA 1402
Db      1552 GAGGAGATGTTGTTGAGCTAGCCAAATTCATATGCTCTCTCTTTGATTTGTCAGATTA 1611
Qy      1403 GCTGTAGTTTAAAGAAATGCTGACAAATCTACAAATTTTCTATGAAACATTCACAG 1462
Db      1612 GCTGTAGTTTAAAGAAATGCTGACAAATCTACAAATTTTCTATGAAACATTCACAG 1671
Qy      1463 GAAATGAGACATACAGTTTATCATTTGATTCATTTTCTGACAGTAAAAATTTTACA 1522
Db      1672 GAAATGAGACATACAGTTTATCATTTGATTCATTTTCTGACAGTAAAAATTTTACA 1731
Qy      1523 GAAATGCTTCCAGTTTCAGCGAGACCTCCAGAGCTTTGACAAAGCAACCAATTTG 1582
Db      1732 GAAATGCTTCCAGTTTCAGCGAGACCTCCAGAGCTTTGACAAAGCAACCAATTTG 1791
Qy      1583 TTAAGATGATGATGATGATCACTCATGTTCTGAAAGAGCAATTTATGATTCATTAGG 1642
Db      1792 TTAAGATGATGATGATGATCACTCATGTTCTGAAAGAGCAATTTATGATTCATTAGG 1851
Qy      1643 TTACAGACAGACCTTTTATAGGATGTCATGTCATGCTCCAGACGCAACCAATAT 1702
Db      1852 TTACAGACAGACCTTTTATAGGATGTCATGTCATGCTCCAGACGCAACCAATAT 1911
Qy      1703 GCAGGGAGTCATTTCCAGGAATTTATGATGCTGCTGTTGATATTTGAAGCAAAAGTGAC 1762
Db      1912 GCAGGGAGTCATTTCCAGGAATTTATGATGCTGCTGTTGATATTTGAAGCAAAAGTGAC 1971
Qy      1763 CTTTCCAGAGCCTGGGAGATGTAAGAGACAGATTTCTGTCAGGCTTCACAGTGAC 1822
Db      1972 CTTTCCAGAGCCTGGGAGATGTAAGAGACAGATTTCTGTCAGGCTTCACAGTGAC 2031
Qy      1823 GCAGCTGCAGAGACTTTGAGTGAAGTAGCC 1852
Db      2032 GCAGCTGCAGAGACTTTGAGTGAAGTAGCC 2061

RESULT 3
AX376036 2558 bp DNA linear PAT 01-MAR-2002
LOCUS Sequence 103 from Patent WO0168848.
DEFINITION AX376036
ACCESSION AX376036
VERSION AX376036.1 GI:19170410
KEYWORDS
SOURCE
ORGANISM Homo sapiens (human)
REFERENCE 1. Homo sapiens
AUTHORS Baker, K. P., Chen, J., Deemeyer, L., Goddard, A., Godowski, P. J.,
TITLES Guirey, A. L., Pan, J., Smith, V., Watanabe, C. K., Wood, W. I. and
JOURNAL Zhang, Z.
FEATURES
Source
1. 2558
/organism="Homo sapiens"

```

```

/mol_type="unassigned DNA"
/db_xref="taxon:9606"

```

Query Match		37.2%	Score 742;	DB 6;	Length 2558;
Best Local Similarity		99.3%	Pred. No. 0;		
Matches 1142;		Conservative	0;	Mismatches	8;
				Indels	0;
				Gaps	0;
Qy	290	GACCTGCTGACTACTTGTGCTCTGGGTGAAGTCTATTCAGACGGTGGAACTCTTCT	349		
Db	871	GACCTGCTGACTACTTGTCTCTGGGTGAAGTCTATTCAGACGGTGGAACTCTTCT	930		
Qy	350	GGAGGTGTGTCCAGCGTGGAAATCTCTAATCTGAAATGTGTGACGAGACCTCTCA	409		
Db	931	GGAGGTGTGTCCAGCGTGGAAATCTCTAATCTGAATGTGTGACGAGACCTCTCA	900		
Qy	410	CCAGTTTCCAGCAAAATGAATACGCTTATAGCATGAATTTGACAGAGCTGTGTCTT	469		
Db	991	CCAGTTTCCAGCAAAATGAATATGCTTATAGCGCTGAATTTGACAGAGCTGTGTCTT	1050		
Qy	470	CCAAATATCTCTGTTCATCATCGTTGATCTATGTATGCAAGAAAGCTCTTGA	529		
Db	1051	CCAAATATCTCTGTTCATCAATGGATGATGTATGCAAGAAAGCTCTTGA	1110		
Qy	530	GATGCTCAGACCAACGATAGCAGCTGAGAGGAATCTCAAGTGTCTTCAATGTT	589		
Db	1111	GATGCTCAGACCAACGATAGCAGCTGAGAGGAATCTCAAGTGTCTTCAATGTT	1170		
Qy	590	GGACCTGCTTACGTGAACTTTTCTACAGAAAGTCAAGATGCAATCAGCTTACC	649		
Db	1171	GGACCTGCTTACGTGAACTTTTCTACAGAAAGTCAAGATGCAATCAGCTTACC	1230		
Qy	650	AATGAAGTGAAGAAATTTACATGTGTATGTAATCTTCAGAGAGCATGTGAACAGAC	709		
Db	1231	AATGAAGTGAAGAAATTTACATGTGTATGTAATCTTCAGAGAGCATGTGAACAGAC	1290		
Qy	710	AGATATGTCAATCTGGAGAGTCAACGGAGCTCATGGGTGTTGGTGTATTTGACCCCTCAG	769		
Db	1291	AGATATGTCAATCTGGAGAGTCAACGGAGCTCATGGGTGTTGGTGTATTTGACCCCTCAG	1350		
Qy	770	AGTGAAGCAGCTGTTTTCATGAATCTGTGAGAGCTTTTGGAACTTGA	829		
Db	1351	AGTGAAGCAGCTGTTTTCATGAATCTGTGAGAGCTTTTGGAACTTGA	1410		
Qy	830	TGAGAGCTTAAGAAACAATTTGTTTSCAAGCTGGAGTGAAGAAATTTGTGCTTCT	889		
Db	1411	TGAGAGCTTAAGAAACAATTTGTTTSCAAGCTGGAGTGAAGAAATTTGTGCTTCT	1470		
Qy	890	GGTTCATCTAGTGGGCGAGAGATTAATCAAGACTCTTCAAGAGCGTGGCGTCTTAT	949		
Db	1471	GGTTCATCTAGTGGGCGAGAGATTAATCAAGACTCTTCAAGAGCGTGGCGTCTTAT	1530		
Qy	950	ATTATATGCTGACTCATCTATATGAAGAAACTACACTCTGAGAGTTGATTTACACACTG	1009		
Db	1531	ATTATATGCTGACTCATCTATATGAAGAAACTACACTCTGAGAGTTGATTTACACACTG	1590		
Qy	1010	ATTGAACGCTTGATTAACAACCTAACAAAAGAGCTGAAGAAAGCGTGAAGGCTTTGAA	1069		
Db	1591	ATTGAACGCTTGATTAACAACCTAACAAAAGAGCTGAAGAAAGCGTGAAGGCTTTGAA	1650		
Qy	1070	GGCAATCTCTTATGAAGTTTGAATTA	1129		
Db	1651	GGCAATCTCTTATGAAGTTTGAATTA	1710		
Qy	1130	CCGAGATTAACAAATTTGGGATCTGGAAATGAATTTTGAAGTGTCTTCCACAGACTTGA	1189		
Db	1711	CCGAGATTAACAAATTTGGGATCTGGAAATGAATTTTGAAGTGTCTTCCACAGACTTGA	1770		
Qy	1190	ATTGCTTCAGGCAAGCAGCGTATATCTTAAATTTGGGAAACAAACAAATTTAGCGGCTAT	1249		
Db	1771	ATTGCTTCAGGCAAGCAGCGTATATCTTAAATTTGGGAAACAAACAAATTTAGCGGCTAT	1830		
Qy	1250	CCACTGATTCACAGTGTCTATGAACAATATGATGTGTGGAAAGTTTATGATTCATG	1309		

Accession	Sequence	Position
Db	CCACTGATACAGATGCTCTATGAAACATATAGTGTGTGAAAAAGTTTATGATCCAAATG	1890
Qy	TTTAAATATCAACCTCACTGTGCCCCAGGTTCGAGAGGATGTGTTTGACTAGCCAAAT	1369
Db	TTTAAATATCAACCTCACTGTGCCCCAGGTTCGAGAGGATGTGTTTGACTAGCCAAAT	1950
Qy	TCCATAGTGCCTCCCTTTGATTGTCGAGATTATGCTGTAGTTTAAAGAAATAGTGTGAC	1429
Db	TCCATAGTGCCTCCCTTTGATTGTCGAGATTATGCTGTAGTTTAAAGAAATAGTGTGAC	2010
Qy	AAATCTACA	1439
Db	AAATCTACA	2020

RESULT 4	AX467227	2253 bp	DNA	linear	PAT 16-JUL-2002
LOCUS	AX467227				
DEFINITION	Sequence 1 from Patent WO0234287.				
ACCESSION	AX467227				
VERSION	AX467227.1	GI:21900509			
KEYWORDS					
SOURCE					
ORGANISM	Homo sapiens (human)				
	Homo sapiens				
	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;				
	Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.				
REFERENCE	1				
AUTHORS	Beier, A.M., Gautam, A. and Mouritsen, S.R.				
TITLE	Novel therapeutic vaccine formulations				
JOURNAL	Patent: WO 0234287-A 1 02-MAY-2002;				

FEATURES

SOURCE

CDS

```

/note="unnamed protein product"
/codon_start=1
/protein_id="CAD42451.1"
/db_xref="GI:21900510"
/db_xref="REMTREMBL:CAD42451"
/translation="MGNLIHETDSAVAATPRMLGALVLAGFELGELGGMFIK
SNSEATNIPKHNMKKAFLDELKAKENTKKPLYNTPQLHLAGTEONPLAKOISOME
FGLDSDVELAHYDVLSTPNKTHPNYISINEDGNELFNSTLFEPPPPPGYENSDIYPP
FSASFPGQMPGEGDLYVYNVYARTSDFFLEFLDKMKNINOSGKIVIRAGYKPKYKKNKQ
LSAAKGVILSDPADYPAFGVKSYPDQWMLPGGQVGNQSGTILINAGADPLTPGPNABE
YARRGGLAEAVGLPSIPVPHIGYDYAKQLEKKGGSGAPSSMRGSLKLVYNNVPGPT
GNSGTQKGLAHISTNEPVRIVNVIIGTLGRAVDPDRIYLLIGGRHDSVPGIOPQSA
AVVHEIYRSFGTILKKGSMRPRRTILPASMPAEEFGILGSTEMAEENSRLLQERGAYI
NAOSLSIGNYTLRVDSCTPLMYSLVHNLTKLKSPDEEFESKSLYESWTKSPSPFEFG
MPISIKLGSNDNEVFQFPLRGYASGRARYKNNETNPGSPPLTHYSATYELVEIKYQ
DPMKCHYLVAOVRGGMVFLANSIYVPEPCRDYAAVLRKADYDIYSINKEHDEMT
YKSYSPSLPSAVVKNPTEILAKSESRLODFPCRRYALRMMNDIMLELERAFLDGLTP
DRPFYRHYIYAPSSHNKLAGSEFPGLIDALFDIESKVDPSKANGEVKQIYVAALFTQ
AAAEITSEVA"
4..6
/note="IgGt or IgG encoding Gly and Trp, respectively"
58..2253
/note="Human BSM"

```

Query Match	32.4%	Score 646	DB 6	Length 2253
Best Local Similarity	99.2%	Pred. No. 0		
Matches 1096	Conservative 0	Mismatches 9	Indels 0	Gaps 0
Qy	335	GGTTGGAATCTTCCTGGAGGTGATGTCACGCGGAATATCTCTAAATCTGAATGTGCA	394	
Dh	733	GGTTGGAATCTTCTCTGGAGGTGATGTCACGCGGAATATCTCTAAATCTGAATGTGCA	792	
Oy	395	GGAGACCTCTCACACCAAGTTACCGCAATGATATACGTTATAGCAATGAATTGCA	454	

```

Db 793 GAGAACCCCTCTACACAGGTTACCCAGCAATGATATGCTTATAGCGGTGAAATTCGA 852
Qy 445 GAGGCTGTGGTCTTCCAAAGTATCTGTTTCATCCAGTGGATCTATGATGACAGAG 514
Db 853 GAGGCTGTGGTCTTCCAAAGTATCTGTTTCATCCAGTGGATCTATGATGACAGAG 912
Qy 515 CTCTGTAAGAAAATGGGTGGCTCAGACACACAGATAGCAGCTGAGAGGAAAGTCTCAA 574
Db 913 CTCTGTAAGAAAATGGGTGGCTCAGACACACAGATAGCAGCTGAGAGGAAAGTCTCAA 972
Qy 575 GTGTCTTACATGTTGGAAGCTGGCTTATCTGGAATCTTTCTACACAAAAGTCAAGATG 634
Db 973 GTGTCTTACATGTTGGAAGCTGGCTTATCTGGAATCTTTCTACACAAAAGTCAAGATG 1032
Qy 635 CACATCCACTCTACATGTAAGTGAAGATTTACATGATGATGATCTCTCAGAGA 694
Db 1033 CACATCCACTCTACATGTAAGTGAAGATTTACATGATGATGATCTCTCAGAGA 1092
Qy 695 GCAATGGAACAGACAGATATGTCATCTGGAGAGTCAACGGAGCTCATGGGTGTTTGT 754
Db 1093 GCAATGGAACAGACAGATATGTCATCTGGAGAGTCAACGGAGCTCATGGGTGTTTGT 1152
Qy 755 GGTATTACCTCTCAGAGTGAAGACGCTGTTGTTATGATAAACTGTAGAGAGCTTGAACA 814
Db 1153 GGTATTACCTCTCAGAGTGAAGACGCTGTTGTTATGATAAACTGTAGAGAGCTTGAACA 1212
Qy 815 CTGAAAAAGGAGGAGGAGAGCTTGAAGAACTTTGTTGCACTGGAGTGAAGCA 874
Db 1213 CTGAAAAAGGAGGAGGAGAGCTTGAAGAACTTTGTTGCACTGGAGTGAAGCA 1272
Qy 875 GAATTTGCTTCTTGGTCTTCTACTGATGAGGAGAGATTAATCAAGCTCTTCAAGAG 934
Db 1273 GAATTTGCTTCTTGGTCTTCTACTGATGAGGAGAGATTAATCAAGCTCTTCAAGAG 1332
Qy 935 CGTGCGCTGGCTTATTAATGCTGACTCATCTATAGAGAACTACACTCTGAGAGTT 994
Db 1333 CGTGCGCTGGCTTATTAATGCTGACTCATCTATAGAGAACTACACTCTGAGAGTT 1392
Qy 995 GATTGTACACAGATGTAAGTTCAGTGGATTAACAACCTAACAAAGAGCTGAAAAGCCCT 1054
Db 1393 GATTGTACACAGATGTAAGTTCAGTGGATTAACAACCTAACAAAGAGCTGAAAAGCCCT 1452
Qy 1055 GATGAAGCTTTGGAAGGCAATCTCTTATGAAAAGTTGAGACTMAAAAAGTCTTCCCA 1114
Db 1453 GATGAAGCTTTGGAAGGCAATCTCTTATGAAAAGTTGAGACTMAAAAAGTCTTCCCA 1512
Qy 1115 GAGTTCACTGGCATGCCAGAGATAGCAAAATGGGATCTGAAAATGATTTTGAAGTTC 1174
Db 1513 GAGTTCACTGGCATGCCAGAGATAGCAAAATGGGATCTGAAAATGATTTTGAAGTTC 1572
Qy 1175 TTCCACAGACTTGGAAATGCTTCAAGGAGAGCAACGGATTAATAAATTTGGGAAACAAC 1234
Db 1573 TTCCACAGACTTGGAAATGCTTCAAGGAGAGCAACGGATTAATAAATTTGGGAAACAAC 1632
Qy 1235 AAATTCAGCGGCTATCCATGATATCAAGATGCTATGAAAACATATGAGTTGGTGAAG 1294
Db 1633 AAATTCAGCGGCTATCCATGATATCAAGATGCTATGAAAACATATGAGTTGGTGAAG 1692
Qy 1295 TTTTATGATCAATGTTAAATATACCTCACTGTGAGGAGGTTGAGAGAGGATGTTG 1354
Db 1693 TTTTATGATCAATGTTAAATATACCTCACTGTGAGGAGGTTGAGAGAGGATGTTG 1752
Qy 1355 TTTGAGTAGCAATTCATAGTCTCCCTTTGATTTGAGATTAATGCTGATAGTTTGA 1414
Db 1753 TTTGAGTAGCAATTCATAGTCTCCCTTTGATTTGAGATTAATGCTGATAGTTTGA 1812
Qy 1415 AGAAGTATGCTGACAAATCTTACA 1439
Db 1813 AGAAGTATGCTGACAAATCTTACA 1837

```

RESULT 5
BD224135

```

LOCUS      BD224135                2253 bp    DNA    linear    PAT 17-JUL-2003
DEFINITION Novel method for vaccine injection for therapeutic purpose.
ACCESSION  BD224135
VERSION    BD224135.1  GI:33033905
KEYWORDS   JP 2002526419-A/1.
SOURCE      Homo sapiens (human)
ORGANISM   Homo sapiens
REFERENCE   1 (bases 1 to 2253)
AUTHORS     Steinha, J., Mouritzen, S., Nielsen, K.G., Haaning, J., Leach, D.,
            Dalum, I., Gautam, A., Birk, P. and Karlsson, G.
TITLE       Novel method for vaccine injection for therapeutic purpose
JOURNAL     Patent: JP 2002526419-A 1 20-AUG-2002;
            M AND E BIOTECH AS
COMMENT      OS Homo sapiens (human)
            PN JP 2002526419-A/1
            PD 20-AUG-2002
            PF 05-OCT-1998 JP 2000573386
            PR 05-OCT-1998 DK PA 199801261, 20-OCT-1998 US 60/105011 PT
            LUCILLA STEINHA, SOREN MOURITSEN, KLAUS GREGORIUS NIELSEN, JESPER
            PI HAANING,
            PI DANA LEACH, IBEN DALUM, ANAND GAUTAM, PETER BIRK, GUNTILA KARLSSON
            PC A61K39/00, A61K39/39, A61P15/00, A61P35/00, C07K14/47, C07K16/18//
            PC C12N15/09,
            PC C12N15/00,
            CC Human PSM,
            CC ggt or egg encoding Gly and Trp, respectively FH Key
            Location/Qualifiers
            FT CDS (1)..(2253)
            FT misc_feature (58)..(2253)
            FT misc_feature (4)..(6).
            Location/Qualifiers
FEATURES
Source      1..2253
            /organism="Homo sapiens"
            /mol_type="genomic DNA"
            /db_xref="taxon:9606"
ORIGIN
Query Match 32.4%; Score 646; DB 6; Length 2253;
Best Local Similarity 99.2%; Pred. No. 0;
Matches 1096; Conservative 0; Mismatches 9; Indels 0; Gaps 0;
Qy 335 GGTGGAATCTCTGAGGTGGTGTCCAGCGTGAATAATCTTAATCTGAATGTCGA 394
Db 733 GGTGGAATCTCTGAGGTGGTGTCCAGCGTGAATAATCTTAATCTGAATGTCGA 792
Qy 395 GGAGACCTCTCACACAGGTTACCCAGCAATGAATACGCTTATAGGATGGAATGCA 454
Db 793 GGAGACCTCTCACACAGGTTACCCAGCAATGAATACGCTTATAGGATGGAATGCA 852
Qy 455 GAGGCTGTGGTCTTCCAAAGTATCTCTGTCATCCAGTGGATATATGATGACAGAG 514
Db 853 GAGGCTGTGGTCTTCCAAAGTATCTCTGTCATCCAGTGGATATATGATGACAGAG 912
Qy 515 CTCTGTAAGAAAATGGGTGGCTCAGACACACAGATAGCAGCTGAGAGGAAAGTCTCAA 574
Db 913 CTCTGTAAGAAAATGGGTGGCTCAGACACACAGATAGCAGCTGAGAGGAAAGTCTCAA 972
Qy 575 GTGTCTTACATGTTGGAAGCTGGCTTATCTGGAATCTTTCTACACAAAAGTCAAGATG 634
Db 973 GTGTCTTACATGTTGGAAGCTGGCTTATCTGGAATCTTTCTACACAAAAGTCAAGATG 1032
Qy 635 CACATCCACTCTACATGTAAGTGAAGATTTACATGATGATGATCTCTCAGAGA 694
Db 1033 CACATCCACTCTACATGTAAGTGAAGATTTACATGATGATGATCTCTCAGAGA 1092
Qy 695 GCAATGGAACAGACAGATATGTCATCTGGAGAGTCAACGGAGCTCATGGGTGTTTGT 754
Db 1093 GCAATGGAACAGACAGATATGTCATCTGGAGAGTCAACGGAGCTCATGGGTGTTTGT 1152
Qy 755 GGTATTACCTCTCAGAGTGAAGACGCTGTTGTTATGATAAACTGTAGAGAGCTTGAACA 814

```

Db	1153	GGTATTGACCCCTCAGAGTGGAGCAGCTGTGTTCATGAAATTGAGAGAGCTTTGGAAACA	1211
Qy	815	CTGAAAAAGGAGGCTGGAGACCTTAGAAGAACATTTTGTTCGACGCTGGGAATGCAGAA	874
Db	1213	CTGAAAAAGGAGGCTGGAGACCTTAGAAGAACATTTTGTTCGACGCTGGGAATGCAGAA	1272
Qy	875	GAATTTGGTCTTCTTGTTTCTACTGAGTGGGACAGAGTAATTCAGAACTCCTTCAAGAG	934
Db	1273	GAATTTGGTCTTCTTGTTTCTACTGAGTGGGACAGAGTAATTCAGAACTCCTTCAAGAG	1332
Qy	935	CGTGGCGTGGCTTATATATATATGCTGACTCATCTATAGAAAGAACTACACTCTGAGAGTT	994
Db	1333	CGTGGCGTGGCTTATATATATATGCTGACTCATCTATAGAAAGAACTACACTCTGAGAGTT	1392
Qy	995	GATTGTACACCACTGATGTATACAGCTTGGTATACAACTTAACAAAAGAGCTGAAAAGCCTT	1054
Db	1393	GATTGTACACCACTGATGTATACAGCTTGGTATACAACTTAACAAAAGAGCTGAAAAGCCTT	1452
Qy	1055	GATAGAGGCTTTGAAAGGCAAACTCTTATGAAAGTTGAGACTAAAGAAAGTCTTCCCA	1114
Db	1453	GATAGAGGCTTTGAAAGGCAAACTCTTATGAAAGTTGAGACTAAAGAAAGTCTTCCCA	1512
Qy	1115	GAGTTCAGTGGCATGCCCCAGATAGACAAATTGGGATCTGGAAATGATTTTGAAGTGTTC	1174
Db	1513	GAGTTCAGTGGCATGCCCCAGATAGACAAATTGGGATCTGGAAATGATTTTGAAGTGTTC	1572
Qy	1175	TTCCACAGACTTGGATGATCTTTCAGGACAGACACGGTATCTAAAATTGGGAAACAAAC	1234
Db	1573	TTCCACAGACTTGGATGATCTTTCAGGACAGACACGGTATCTAAAATTGGGAAACAAAC	1632
Qy	1235	AAATTGACGGGCTATCCACTGTATCCAGAGTGTCTATGAAACATATGATTTGGTGGAAAG	1294
Db	1633	AAATTGACGGGCTATCCACTGTATCCAGAGTGTCTATGAAACATATGATTTGGTGGAAAG	1692
Qy	1295	TTTTATGATCCAAATGTTTAAATATCACTCACTGTGCCCCAGAGTTTCAGAGAGGATGTGTG	1354
Db	1693	TTTTATGATCCAAATGTTTAAATATCACTCACTGTGCCCCAGAGTTTCAGAGAGGATGTGTG	1752
Qy	1355	TTTGAGCTAGCCCAATTCATCATATGCTGCCCTTTTGATTTGTCAGATTAATGCTGTACTTTTA	1414
Db	1753	TTTGAGCTAGCCCAATTCATCATATGCTGCCCTTTTGATTTGTCAGATTAATGCTGTACTTTTA	1812
Qy	1415	AGAAAGTATGCTGCACAAAATCTACA	1439
Db	1813	AGAAAGTATGCTGCACAAAATCTACA	1837
RESULT 6			
LOCUS	BC025672	2472 bp	mRNA linear PRI 06-OCT-2003
DEFINITION	Homo sapiens folate hydrolase (prostate-specific membrane antigen)		
ACCESSION	1, mRNA (CDNA clone MGC:34488 IMAGE:5202715), complete cds.		
VERSION	BC025672		
SOURCE	BC025672.1 GI:19343603		
ORGANISM	Homo sapiens (human)		
REFERENCE	Homo sapiens		
AUTHORS	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo. 1 (bases 1 to 2472)		
	Strauberg, R.L., Feingold, E.A., Grouse, L.H., Derge, J.G., Klausner, R.D., Collins, F.S., Wagner, L., Schenken, C.M., Schuler, G.D., Altschul, S.F., Zeeberg, B., Buetow, K.H., Schaefer, C.F., Bhat, N.K., Hopkins, R.F., Jordan, H., Moore, T., Max, S.I., Wang, J., Hsieh, F., Datchenko, L., Marusina, K., Farmer, A.A., Rubin, G.M., Hong, L., Stapleton, M., Soares, M.B., Bonaldo, M.F., Casavant, T.L., Scheetz, T.E., Brownstein, M.J., Uedlin, T.B., Toshiyuki, S., Caerini, P., Prange, C., Rata, S.S., Loquellano, N.A., Peters, G.J., Abramson, R.D., Mullahy, S.J., Bosak, S.A., McMan, P.J., McEman, R.J., Malek, J.A., Gunaratne, P.H., Richards, S., Wollam, D.K., Hale, S., Garcia, A.M., Gay, L.J., Hulik, S.W., Villalón, D.K., Muzny, D.M., Sodergren, E.J., Lu, X., Gibbs, R.A., Fahey, J., Helton, E., Kettelman, M., Madan, A., Rodriguez, S.,		

TITLE	JOURNAL MEDLINE PUBMED
REFERENCE	22398257 12477932
AUTHORS	(bases 1 to 2472) Strausberg, R. Direct Submissions Submitted (06-MAR-2002) National Institutes of Health, Mammalian Gene Collection (MGC), Cancer Genomics Office, National Cancer Institute, 31 Center Drive, Room 11A03, Bethesda, MD 20892-2590, USA
JOURNAL	NIH-MGC Project URL: http://mgc.nci.nih.gov Contact: MGC help desk Email: cgapps-remail.nih.gov Tissue Procurement: Life Technologies, Inc. cDNA Library Preparation: Life Technologies, Inc. cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LNLN) DNA Sequencing by: National Institutes of Health Intramural Sequencing Center (NISC), Gaithersburg, Maryland; Web site: http://www.nisc.nih.gov/ Contact: nisc.mgc@nih.gov
REMARK	Ahter,N., Ayele,K., Beckstrom-Sternberg,S.M., Benjamin,B., Blakesley,R.W., Bouffard,G.G., Breen,K., Brinkley,C., Brooks,S., Dietrich,N.L., Granite,S., Guan,X., Gupta,J., Haghighi,P., Hansen,N., Ho,S.-I., Karlins,E., Kong,P., Latic,P., Legaspi,R., Maduro,Q.L., Masello,C., Maskell,B., Mastrian,S.D., McCloskey,J.C., McDowell,J., Pearson,R., Statutispop,S., Thomas,P.J., Touchman,J.W., Tsurgoun,C., Vogt,J.L., Walker,M.A., Wetherby,K.D., wiggin,L., Young,A., Zhang,L.-H. and Green,E.D.
FEATURES	Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LNLN at: http://image.lnl.nsl.gov Series: IRAC Plate: 49 Row: e Column: 5 This clone was selected for full length sequencing because it passed the following selection criteria: matched mRNA gi: 4758397.
SOURCE	location/Qualifiers 1..2472 /organism="Homo sapiens" /mol_type="mRNA" /db_xref="taxon:9606" /clone="MGC:34488 IMAGE:5202715" /tissue type="Lung, Spleen, fetal, pooled" /clone_lib="NIH MGC_122" /lab_host="DH10B" /note="Vector: PCMV-SPORT6" 1..2472 /gene="FOLH1" /note="Synonyms: FOLH, PSM, PSMA, GCP2" /db_xref="locusid:2346" /db_xref="MIM:600934" 160..2319 /codon_start=1 /product="FOLH1 protein" /protein_id="AAH25672.1" /db_xref="GI:19343604" /db_xref="LocustID:2346" /translatation="MMNLILHETSDAVATARPRLWCAGALVLAGGFLGLFGWFTIKSSNEATITPRKMKAKFLDELKAENIKCFYLPFOIHLAGEONPOLAQIOOWKKMGSGDSVLAHYDVLSYPNKTHPVYSIIINEDGNSINTSFEEPPPGENVSLIVPPFSAPSGMEQEGDLVVYNVARTDFPELDMDKINGCKIVAYGVGRNKKMLAGAGKITLYSDPADIFAPGVKSTPPDGNIPGGGVQNGNLINLAGDPLTPGYRANFYARRGIAEAVGLPSIPVHPRIGYDAKLLEKMGSAAPPDSWGSLKVPINVGEGFTYASTQCVKNMHISTNEVTIRIYNYIGTLROAEVDRAVLLGGHRDSWFGGIDPQSGAVVAVEIYRSFGLTKKEGMRRPTLIITLMKDAEEGLGSTEMAEENSLLAOERGVAYNADSIISGNTLTLYVDCTPLMYSLVHNLTKEIKSPDEGEKSLVESWTKSPSEFSMPRTSKLGSGNDPEVFQRGLIASGRARYTKNNETINKFSGPLVHSVYTEILEVKEF
gene	
CDS	

misc_feature

652..930

/note="PA; Region: PA domain. The PA (Protease associated) domain is found as an insert domain in diverse proteases. The PA domain is also found in a plant vacuolar sorting receptor and members of the Rf family"

/db_xref="CD:pfam02225"

1981..2313

/note="TFR dimer; Region: Transferring receptor-like dimerisation domain. This domain is involved in dimerisation of the transferrin receptor as shown in its crystal structure"

/db_xref="CD:pfam04253"

ORIGIN

Query Match 32.4%; Score 646; DB 9; Length 2472;
 Best Local Similarity 99.2%; Pred. No. 0;
 Matches 1096; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

QY 335 GGTGGAATTTCTGAGAGGTGTCACAGCTGGAATTCCTAATTCGAATGTGCA 394
 DB 892 GGTGGAATTTCTGAGAGGTGTCACAGCTGGAATTCCTAATTCGAATGTGCA 951

QY 395 GGAGACCCCTCTCACACAGGTTACCCAGAAATGAAGCTTATAGGATGGAATTGCA 454
 DB 952 GGAGACCCCTCTCACACAGGTTACCCAGAAATGAAGCTTATAGGATGGAATTGCA 1011

QY 455 GAGGCTGTTGCTCTCCAGATATCTCTGTCATCCAGTGGATATGATGACAGAG 514
 DB 1012 GAGGCTGTTGCTCTCCAGATATCTCTGTCATCCAGTGGATATGATGACAGAG 1071

QY 515 CTCTTGAAAAAATGGTGGCTCAGCACACAGATGACAGCTGAGAGAGTCTCAAA 574
 DB 1072 CTCTTGAAAAAATGGTGGCTCAGCACACAGATGACAGCTGAGAGAGTCTCAAA 1131

QY 575 GTGTCCACAGATGTTGACCTGGCTTACTGGAACCTTTCTACAAAAAGCAAGATG 634
 DB 1132 GTGTCCACAGATGTTGACCTGGCTTACTGGAACCTTTCTACAAAAAGCAAGATG 1191

QY 635 CACATCCACTCTACATGAGTGAAGAGCAAGATTTACATGATGATGATCTCAGAGGA 694
 DB 1192 CACATCCACTCTACATGAGTGAAGAGCAAGATTTACATGATGATGATCTCAGAGGA 1251

QY 695 GCAGTGAACCAAGATATGTCATTTGGAAGTCAACCGGACCTCATGGGTGTTGGT 754
 DB 1252 GCAGTGAACCAAGATATGTCATTTGGAAGTCAACCGGACCTCATGGGTGTTGGT 1311

QY 755 GGTATTTGACCTCAGAGTGAAGAGCTGTTGTCATGAAACCTGAGAGAGCTTTGGAACA 814
 DB 1312 GGTATTTGACCTCAGAGTGAAGAGCTGTTGTCATGAAACCTGAGAGAGCTTTGGAACA 1371

QY 815 CTGAAAAAGGAGAGTGAAGAGCTTACAGAAACATTTTGTTCAGAGTGGATGAGAA 874
 DB 1372 CTGAAAAAGGAGAGTGAAGAGCTTACAGAAACATTTTGTTCAGAGTGGATGAGAA 1431

QY 875 GAATTTGGTTCTTCTGTTCTACTAGTGGGCAAGAGATTAATCAAGCTCTTCAAGAG 934
 DB 1432 GAATTTGGTTCTTCTGTTCTACTAGTGGGCAAGAGATTAATCAAGCTCTTCAAGAG 1491

QY 935 CGTGGGGTGGCTATATTTATGCTGACTCATATGAGAGAACTACATCTGAGAGTT 994
 DB 1492 CGTGGGGTGGCTATATTTATGCTGACTCATATGAGAGAACTACATCTGAGAGTT 1551

QY 995 GATTGTACACACCTGATGTACAGCTTGTATACAACTTAACAAAGAGTGAAGAGCCCT 1054
 DB 1552 GATTGTACACACCTGATGTACAGCTTGTATACAACTTAACAAAGAGTGAAGAGCCCT 1611

QY 1055 GATGAAGGCTTTGAAGCAATCTCTTTATGAAAGTTGACTAAAAAGTCTTCCCA 1114
 DB 1612 GATGAAGGCTTTGAAGCAATCTCTTTATGAAAGTTGACTAAAAAGTCTTCCCA 1671

QY 1115 GAGTTCAGTGGATGCGCCAGATACAAATTTGGATCTGGAATGATTTTGGAGTGTTC 1174
 DB 1672 GAGTTCAGTGGATGCGCCAGATACAAATTTGGATCTGGAATGATTTTGGAGTGTTC 1731

QY 1175 TTCCAAAGACTTGGAAATGCTTCCAGGACAGACAGCTATATCAAAAATGGAGAACAAAC 1234
 DB 1732 TTCCAAAGACTTGGAAATGCTTCCAGGACAGACAGCTATATCAAAAATGGAGAACAAAC 1791

QY 1235 AATTGAGGGGCTATCCACTGCTATGTCACAGTGTCTATGAAACATATGAGTTGGTGAAG 1294
 DB 1792 AATTGAGGGGCTATCCACTGCTATGTCACAGTGTCTATGAAACATATGAGTTGGTGAAG 1851

QY 1295 TTTATGATCCAAATGTTTAAATATCACTCACTGTGGCCAGGTTGAGAGAGGATGAGTG 1354
 DB 1852 TTTATGATCCAAATGTTTAAATATCACTCACTGTGGCCAGGTTGAGAGAGGATGAGTG 1911

QY 1355 TTTGAGCTAGCCAAATTCATAGTCTCCCTTTTGAATTTGAGATTAATGCTGATGTTTAA 1414
 DB 1912 TTTGAGCTAGCCAAATTCATAGTCTCCCTTTTGAATTTGAGATTAATGCTGATGTTTAA 1971

QY 1415 AGAAATGATGCTGACAAATCTTCA 1439
 DB 1972 AGAAATGATGCTGACAAATCTTCA 1996

RESULT 7
 AF176574 2518 bp mRNA linear PRI 28-NOV-2000
 LOCUS AF176574
 DEFINITION Homo sapiens folylpoly-gamma-glutamate carboxypeptidase (FCGP)
 ACCESSION AF176574
 VERSION AF176574.1 GI:5762481
 KEYWORDS
 SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
 1 (bases 1 to 2518)
 Devlin,A.M., Ling,E.H., Pearson,J.M., Fernando,S., Clarke,R., Smith,A.D. and Halsted,C.H.
 Glutamate carboxypeptidase II: a polymorphism associated with lower levels of serum folate and hyperhomocysteinemia
 Hum. Mol. Genet. 9 (19), 2837-2844 (2000)
 11092755
 PUBMED 2 (bases 1 to 2518)
 REFERENCE Devlin,A.M., Ling,E.H. and Halsted,C.H.
 AUTHORS Devlin,A.M., Ling,E.H. and Halsted,C.H.
 TITLE Direct Submission
 JOURNAL Submitted (09-AUG-1999) Internal Medicine, University of California, Davis, TR 156, Davis, CA 95616, USA
 FEATURES
 source
 1..2518
 /organism="Homo sapiens"
 /mol_type="mRNA"
 /db_xref="taxon:9606"
 /feature_type="small intestine"
 1..2518
 /gene="FCGP"
 /gene="FCGP"
 139..2391
 /gene="FCGP"
 /codon_start=1
 /product="folylpoly-gamma-glutamate carboxypeptidase"
 /protein_id="A05112.1"
 /db_xref="GI:5762482"
 /translation="MMNLHETDSAVATARRPRLCAGALVLAGFFLLGLFEGFIK
 SNEATNIPKNNMKAFLDELKAENIKKFLVNFQIPLHAGTEONFOLAKOISOWKE
 FGLDSBELAHYVULSYNPKTHPNYISINENGEIPNTPSPPEGVENVSDIVP
 PSAPSGQMBEDIVYVYAPREDPRKLEPMKINSGRTIVARQKVRGKRYKAO
 LAGAKVILISDPADYFAPGVKSYDDGMNLCGGYQKQNTLVNAGDFLITGYRANE
 IAVRRGILEAVGLPSI PVHPIDGYAQKLEKMGASAPDSSWRSLKVPYVQGF
 GNFSQKQPMHHSINENYRIVNVIQAGAVEPRYVILGHRDSWFGDIPQSGA
 AVVHIVISFGTLKKEGMPRTIIFASWDABEFLGSTEWAENSRLQORGVAYI
 NADSSIEGNYTLRVDCPLMYSLVHNLTKELSPDEGFEKSLYSWTKSPSPERG

ORIGIN

MPRIKSLGSGNDEFEVFORLGIASGRARYTKMNETKFSQPLVHSHVETVELKEY
 DPEKXHLFAVQVRGAVFELANSIVLPEPCRDYAVLRKAYAKIYSISKHEQKJ
 YSVAFSLFSAVKNFTEIASKSENRLODPKSNPIYLRMMNDOLMELEAFIDPLP
 DRFRHVIYAPSHKXKAGESEFPGIYDALFDIESKVDPSKMGSEYKROIYVAFTVQ
 AAATLESEVA"

Query Match 32.4%; Score 646; DB 9; Length 2518;
 Best Local Similarity 99.2%; Pred. No. 0;
 Matches 1096; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

QY 335 GGTGGAATCTTCTGAGGTGTGTCCACCGTGGAAATATCTAAATCTGAATGTGCA 394
 DB 871 GGTGGAATCTTCTGAGGTGTGTCCACCGTGGAAATATCTAAATCTGAATGTGCA 930
 QY 395 GAGACCCCTTCACACAGGTTACCCGCAAAATGAACCTTATGGCATGGAATTGCA 454
 DB 931 GAGACCCCTTCACACAGGTTACCCGCAAAATGAACCTTATGGCATGGAATTGCA 990
 QY 455 GAGGCTGTGTCTTCCAGTAATTCCTGTTCACTCAGTGGATTAATGACAGAAAG 514
 DB 991 GAGGCTGTGTCTTCCAGTAATTCCTGTTCACTCAGTGGATTAATGACAGAAAG 1050
 QY 515 CTCTTGAATAAATGGGTGGCTGACACACAGATAGCAGCTGGAGGAAAGTCTCAAA 574
 DB 1051 CTCTTGAATAAATGGGTGGCTGACACACAGATAGCAGCTGGAGGAAAGTCTCAAA 1110
 QY 575 GTGTCCCAATGTTGGACCTGTGCTTACGTGGAACCTTTCTACACAAAAGTCAGATG 634
 DB 1111 GTGTCCCAATGTTGGACCTGTGCTTACGTGGAACCTTTCTACACAAAAGTCAGATG 1170
 QY 635 CACATCACTCTACCAATGAGTGACGAGAATTTACATGATGATGACTCTCAGAGA 694
 DB 1171 CACATCACTCTACCAATGAGTGACGAGAATTTACATGATGATGACTCTCAGAGA 1230
 QY 695 GCAATGGAACCAACAGATATGTCATTTCTGGAGGTGACCGGGACTCATG3GTGTTGGT 754
 DB 1231 GCAATGGAACCAACAGATATGTCATTTCTGGAGGTGACCGGGACTCATG3GTGTTGGT 1290
 QY 755 GGAATTTGACCTCAGAGTGAAGAGCGTGTTCATGATAAATCTGAGAGACTTTGGAACA 814
 DB 1291 GGAATTTGACCTCAGAGTGAAGAGCGTGTGTTCATGATAAATCTGAGAGACTTTGGAACA 1350
 QY 815 CTGAAAAAGGAAGGTGAGACCTAGAAACAATTTTGTGGAAGCTGGAGTCAGAA 874
 DB 1351 CTGAAAAAGGAAGGTGAGACCTAGAAACAATTTTGTGGAAGCTGGAGTCAGAA 1410
 QY 875 GAAATTTGCTTCTGCTTCTACTGAGTGGGACAGAGTAATTCAGACTCTTCAAGAG 934
 DB 1411 GAAATTTGCTTCTGCTTCTACTGAGTGGGACAGAGTAATTCAGACTCTTCAAGAG 1470
 QY 935 CGGAGCGTGGCTTATATTAATGCTGACTCATCTATTAAGAAAATTCACCTGAGAGTT 994
 DB 1471 CGGAGCGTGGCTTATATTAATGCTGACTCATCTATTAAGAAAATTCACCTGAGAGTT 1530
 QY 995 GATTGTACACCATGATGACAGTGTGTATACAACTTAACAAAGAGCTGAAAAGCCT 1054
 DB 1531 GATTGTACACCGCTGATGACAGTGTGTATACAACTTAACAAAGAGCTGAAAAGCCT 1590
 QY 1055 GATGAAGCTTTGAAGCAATCTCTTATGAAGTTGACTAATAAAGTCTTCCCA 1114
 DB 1591 GATGAAGCTTTGAAGCAATCTCTTATGAAGTTGACTAATAAAGTCTTCCCA 1650
 QY 1115 GAGTTCAGTGCAGTCCAGATTAAGAAATTTGGAAATGATTTTGAAGTCTTC 1174
 DB 1651 GAGTTCAGTGCAGTCCAGATTAAGAAATTTGGAAATGATTTTGAAGTCTTC 1710
 QY 1175 TTCCAAAGCATTTGATTTGCTTCAGCAGACAGATATACTAAATTTGGGAAACAAC 1234
 DB 1711 TTCCAAAGCATTTGATTTGCTTCAGCAGACAGATATACTAAATTTGGGAAACAAC 1770
 QY 1235 AAATTCAGCGGCTATTCACCTGTATCACAGTGTCTATGAACAATATGAGTTGGTGAAG 1294

DB 1771 AAATTCAGCGGCTATTCACCTGTATCACAGTGTCTATGAACAATATGAGTTGGTGAAGAAAG 1830
 QY 1295 TTTTATGATCCATATGTTTAAATATACCTCAGCTGTGGCCAGGTTGAGAGAGGATGTG 1354
 DB 1831 TTTTATGATCCATATGTTTAAATATACCTCAGCTGTGGCCAGGTTGAGAGAGGATGTG 1890
 QY 1355 TTTGAGCTAGCCAAATTCATAGTGTCTCCCTTTGATTTGAGATTAATCTGATTTTAA 1414
 DB 1891 TTTGAGCTAGCCAAATTCATAGTGTCTCCCTTTGATTTGAGATTAATCTGATTTTAA 1950
 QY 1415 AGAAAGTATGCTGACAAATCTTACA 1439
 DB 1951 AGAAAGTATGCTGACAAATCTTACA 1975

RESULT 8

LOCUS 123794 2653 bp DNA linear PAT 07-OCT-1996
 DEFINITION Sequence 1 from patent US 5538866.
 ACCESSION 123794
 VERSION 123794.1 GI:1603664
 KEYWORDS

SOURCE

ORGANISM

REFERENCE

AUTHORS

TITLE

JOURNAL

FEATURES

source

1. (bases 1 to 2653)
 Israeli, R.S., Heston, W.D.W. and Fair, W.R.
 Prostate-specific membrane antigen
 Patent: US 5538866-A 1.23-01U-1996;
 Location/Qualifiers
 1..2653
 /organism="unknown"
 /mol_type="unassigned DNA"

ORIGIN

Query Match 32.4%; Score 646; DB 6; Length 2653;
 Best Local Similarity 99.2%; Pred. No. 0;
 Matches 1096; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

QY 335 GGTGGAATCTTCTGAGGTGTGTCCACCGTGGAAATATCTAAATCTGAATGTGCA 394
 DB 994 GGTGGAATCTTCTGAGGTGTGTCCACCGTGGAAATATCTAAATCTGAATGTGCA 1053
 QY 395 GAGACCCCTTCACACAGGTTACCCGCAAAATGAACCTTATGGCATGGAATTGCA 454
 DB 1054 GAGACCCCTTCACACAGGTTACCCGCAAAATGAACCTTATGGCATGGAATTGCA 1113
 QY 455 GAGGCTGTGTCTTCCAGTAATTCCTGTTCACTCAGTGGATTAATGACAGAAAG 514
 DB 1114 GAGGCTGTGTCTTCCAGTAATTCCTGTTCACTCAGTGGATTAATGACAGAAAG 1173
 QY 515 CTCTTGAATAAATGGGTGGCTGACACACAGATAGCAGCTGGAGGAAAGTCTCAAA 574
 DB 1174 CTCTTGAATAAATGGGTGGCTGACACACAGATAGCAGCTGGAGGAAAGTCTCAAA 1233
 QY 575 GTGTCCCAATGTTGGACCTGTGCTTACGTGGAACCTTTCTACACAAAAGTCAGATG 634
 DB 1234 GTGTCCCAATGTTGGACCTGTGCTTACGTGGAACCTTTCTACACAAAAGTCAGATG 1293
 QY 635 CACATCACTCTACCAATGAGTGACGAGAATTTACATGATGATGACTCTCAGAGA 694
 DB 1294 CACATCACTCTACCAATGAGTGACGAGAATTTACATGATGATGACTCTCAGAGA 1353
 QY 695 GCAATGGAACCAACAGATATGTCATTTCTGGAGGTGACCGGGACTCATG3GTGTTGGT 754
 DB 1354 GCAATGGAACCAACAGATATGTCATTTCTGGAGGTGACCGGGACTCATG3GTGTTGGT 1413
 QY 755 GGAATTTGACCTCAGAGTGAAGAGCGTGTTCATGATAAATCTGAGAGCTTTGGAACA 814
 DB 1414 GGAATTTGACCTCAGAGTGAAGAGCGTGTTCATGATAAATCTGAGAGCTTTGGAACA 1473
 QY 815 CTGAAAAAGGAAGGTGAGACCTTAGAAGCAATTTTGTGCAAGCTGGAGTCAGAA 874

Db	1474	CTGAAAAAGAAAGGGGTGGAGACTTGTAAGAACATTTGTTTGTTCAGACTGGGATGACAA	1533
Qy	875	GAATTTGGTCTTCTTGTTGTTCTACTAGTGTGGGAGAGATTAATTCAGACTCTCTTCAAG	934
Db	1534	GAATTTGGTCTTCTTGTTGTTCTACTAGTGTGGGAGAGAGAAATTCAGACTCTTCAAG	1593
Qy	935	CGTGGCGTGGCTTATTAATAGCTGATCTATATAGAAAGAACTTAACCTCTGAGATT	994
Db	1594	CGTGGCGTGGCTTATTAATTAATAGCTACTATCTATAGAAAGAACTTAACCTCTGAGATT	1653
Qy	995	GATTGTACACCACTGATGTACAGCTTGGTATCAACTTACAAAGAGACTGAAAAGCCCT	1054
Db	1654	GATTGTACACCCGCTGATGTACAGCTTGGTATCAACCTTACAAAGAGACTGAAAAGCCCT	1713
Qy	1055	GATGAAGGCTTTGAAGGCAAAATCTCTTATAGAAAGTTGGACTAAAAAAAGTCTTCCCA	1114
Db	1714	GATGAAGGCTTTGAAGGCAAAATCTCTTATGAAAGTTGGACTTAAAAAAAGTCTTCCCA	1773
Qy	1115	GAGTTCAGTGGCATGCCCAGAGTAAGCAAAATTGGGATCTGGAAATGATTTTGAAGTGTTC	1174
Db	1774	GAGTTCAGTGGCATGCCAGATTAAGCAAAATTGGGATCTGGAAATGATTTTGAAGTGTTC	1833
Qy	1175	TTCCAAAGCACTTGAATTTGCTTACAGCAGAGACGCTATACATAAAATTTGGAAAACAAC	1234
Db	1834	TTCCAAACACATTGGAAATTTGCTTACAGCAGAGACGCTATACATAAAATTTGGAAAACAAC	1893
Qy	1235	AAATTCAGCGGCTATCCACTGTATCACAGTGTCTATAGAAACATATGAGTTGTGGAAAAG	1294
Db	1894	AAATTCAGCGGCTATCCACTGTATCACAGTGTCTATAGAAACATATGAGTTGTGGAAAAG	1953
Qy	1295	TTTTATGATCCAAATGTTTAATATCACTCACTGTGCGCCAGGTTTCGAGAGGGAGTGTG	1354
Db	1954	TTTTATGATCCAAATGTTTAATATCACTCACTGTGCGCCAGGTTTCGAGAGGGAGTGTG	2013
Qy	1355	TTTGAGCTAGCCAAATTCATAGTGTGCTCCCTTTGATTTGTGAGATTAATGCTGTAGTTTA	1414
Db	2014	TTTGAGCTAGCCAAATTCATAGTGTGCTCCCTTTGATTTGTGAGATTAATGCTGTAGTTTA	2073
Qy	1415	AGAAAGTATGCTGACAAATCTACA	1439
Db	2074	AGAAAGTATGCTGACAAATCTACA	2098
RESULT 9			
AR337951		2653 bp	DNA
LOCUS	AR337951		linear
DEFINITION	Sequence 1 from patent US 656432.		PAT 17-AUG-2003
ACCESSION	AR337951		
VERSION	AR337951.1	GI:33724620	
KEYWORDS			
SOURCE	Unknown.		
ORGANISM	Unknown.		
REFERENCE	Unclassified.		
AUTHORS	1 (bases 1 to 2653)		
TITLE	Israeli,R.S., Hebron,W.D.W., Fair,W.R., Querfelli,O. and Pinto,J.		
JOURNAL	Prostate-specific membrane antigen and uses thereof		
FEATURES	Patent: US 6569432-A 1 27-MAY-2003;		
	Location/Qualifiers		
source	1..2653		
	/organism="unknown"		
	/mol_type="genomic DNA"		
ORIGIN			
Query Match	32.4%;	Score 646;	DB 6; Length 2653;
Best Local Similarity	99.2%;	Pred. No. 0;	
Matches 1096;	Conservative 0;	Mismatches 9;	Indels 0; Gaps 0;
Qy	335	GATTGGAATCTTCTCGAGAGTGTGTCCAGCGTGGAATATCTTAATCTGAATGTGCA	394
Db	994	GATTGGAATCTTCTCGAGAGTGTGTCCAGCGTGGAATATCTTAATCTGAATGTGCA	1053
Qy	395	GGAAGCCTTCTCACACCGGTTTACCCAGCAATGATTCGTTATGGCATGGAATTGCA	454

Db	1054	GGAGACCCCTCTCACAACAGGTTTACCAGCAAAATGAATATGCTTTATAGCCGTGGAATTGCA	1113
Qy	455	GAGGCTGTGTGGTCTTCCAAAGTATTCCTGTTTCATCCAGTTGGATCTATGATGACAGAG	514
Db	1114	GAGGCTGTGTGGTCTTCCAAAGTATTCCTGTTTCATCCAAATTGGATATGATGACAGAG	1173
Qy	515	CTCCTAGAAAAAATGGGTGGCTCAGCACACCAAGATAGCAGCTGGAGAGATCTCAA	574
Db	1174	CTCCTAGAAAAAATGGGTGGCTCAGCACACCAAGATAGCAGCTGGAGAGATCTCAA	1233
Qy	575	GTGTCTTCAATATGTTGACCTGGCTTTATCTGGAAATCTTTCTACAAAAAGTCAAGTG	634
Db	1234	GTGCCCTTCAATATGTTGACCTGGCTTTATCTGGAAATCTTTCTACAAAAAGTCAAGTG	1293
Qy	635	CACATCCACTCTACCAATGAGTAGACGAGATTTTACATGATGATGGTACTCTCAGAGA	694
Db	1294	CACATCCACTCTACCAATGAGTAGACGAGATTTTACATGATGATGGTACTCTCAGAGA	1353
Qy	695	GCAGTGGAAACAACAGATATGTCATCTTGGAGAGTCAACGGGACTCATGGGTGTTTGGT	754
Db	1354	GCAGTGGAAACAACAGATATGTCATCTTGGAGAGTCAACGGGACTCATGGGTGTTTGGT	1413
Qy	755	GGATATGACCCCTCAGAGTGGAGACGCTGTTGTTATGAATCTGAGAGAGCTTTGGAA	814
Db	1414	GGATATGACCCCTCAGAGTGGAGACGCTGTTGTTATGAATCTGAGAGAGCTTTGGAA	1473
Qy	815	CTGAAAAAGAGAGGTGAGACTAGAGAACAAATTTTGTGTTGGAAGCTGGAGTGCAGAA	874
Db	1474	CTGAAAAAGAGAGGTGAGACTAGAGAACAAATTTTGTGTTGGAAGCTGGAGTGCAGAA	1533
Qy	875	GAATTTGGTCTTCTTGGTTCTACTAGTGGGACAGAGATTAATTCAGACTTCCTTCAAGAG	934
Db	1534	GAATTTGGTCTTCTTGGTTCTACTAGTGGGACAGAGATTAATTCAGACTTCCTTCAAGAG	1593
Qy	935	CGTGGCCGTGGTTTATTTAATGCTGACTCATTTAAGAGAACTTCAAGAGATT	994
Db	1594	CGTGGCCGTGGTTTATTTAATGCTGACTCATTTAAGAGAACTTCAAGAGATT	1653
Qy	995	GATTGTACACACAGTATGATCAGCTTGGTATVACAACCTAACAAAGAGCTGAAGAGCCCT	1054
Db	1654	GATTGTACACACAGTATGATCAGCTTGGTATVACAACCTAACAAAGAGCTGAAGAGCCCT	1713
Qy	1055	GATGAAAGCTTTGAAGGCAATCTCTTTATGAAAGTTGACTAATAAAAGTCTTCCCA	1114
Db	1714	GATGAAAGCTTTGAAGGCAATCTCTTTATGAAAGTTGACTAATAAAAGTCTTCCCA	1773
Qy	1115	GAGTTCAATGTCATGATGCCCAAGATAGCAAAATTTGGATCTGGAAATGATTTTGAAGTCTC	1174
Db	1774	GAGTTCAATGTCATGATGCCCAAGATAGCAAAATTTGGATCTGGAAATGATTTTGAAGTCTC	1833
Qy	1175	TTCCACGACTTTGGAATTTGCTTCAGGACGACAGCATGATTAATAAATTTGGGAAACAAAC	1234
Db	1834	TTCCACGACTTTGGAATTTGCTTCAGGACGACAGCATGATTAATAAATTTGGGAAACAAAC	1893
Qy	1235	AAATTCACGCGCTATCCACTGTATCACAAGTGTATGAAACATATGATGTTGGTGGAAAG	1294
Db	1894	AAATTCACGCGCTATCCACTGTATCACAAGTGTATGAAACATATGATGTTGGTGGAAAG	1953
Qy	1295	TTTTATGATCCAAATGTTTAAATATCACTCACTGCTGGCCAGGTTGAGAGAGGATGCTG	1354
Db	1954	TTTTATGATCCAAATGTTTAAATATCACTCACTGCTGGCCAGGTTGAGAGAGGATGCTG	2013
Qy	1355	TTTGAGCTAGCAATTCATAGTCTCCCTTTGATTTGTGAGATTAATGCTGTAGTTT	1414
Db	2014	TTTGAGCTAGCAATTCATAGTCTCCCTTTGATTTGTGAGATTAATGCTGTAGTTT	2073
Qy	1415	AGAAAGTATGCTGACAAATCTTACA	1439
Db	2074	AGAAAGTATGCTGACAAATCTTACA	2098

LOCUS AX337498 2653 bp DNA linear PAT 09-JAN-2002
 DEFINITION Sequence 8007 from Patent WO0194629.
 ACCESSION AX337498
 VERSION AX337498.1 GI:18128217
 KEYWORDS
 SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.

REFERENCE
 1 Young, P.E., Augustus, M., Carter, K.C., Ebner, R., Endress, G.,
 Horrigan, S., Soppet, D.R. and Weaver, Z.
 Cancer gene determination and therapeutic screening using signature
 gene sets
 Patent: WO 0194629-A 8007 13-DEC-2001;
 Avalon Pharmaceuticals (US)
 Location/Qualifiers
 1..2653
 /organism="Homo sapiens"
 /mol_type="unassigned DNA"
 /db_xref="taxon:9606"

FEATURES
 source

ORIGIN

Query Match 32.4%; Score 646; DB 6; Length 2653;
 Best Local Similarity 99.2%; Pred. No. 0;
 Matches 1096; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

QY 335 GGTGGAAATTTCTCTGAGAGTGTGTCCACCGTGGAAATTCCTTAATCTGAATGTGTGCA 394
 Db 994 GGTGGAAATTTCTCTGAGAGTGTGTCCACCGTGGAAATTCCTTAATCTGAATGTGTGCA 1053

QY 395 GGAGACCCCTCTACACAGGTTACCCAGCAATGAATACCTTATAGCATGGAATTGCA 454
 Db 1054 GGAGACCCCTCTACACAGGTTACCCAGCAATGAATGAATGCTTATAGCGCTGGAATTGCA 1113

QY 455 GAGGCTGTTGGTCTTCCAAATTTCTGTTTCATCCAGTGGATATATATGACAGAG 514
 Db 1114 GAGGCTGTTGGTCTTCCAAATTTCTGTTTCATCCAGTGGATATATATGACAGAG 1173

QY 515 CTCTCTGAAAAAATGGTGGCTGACGACCCACAGATGCGAGCTGGAGAGAAATCTCAA 574
 Db 1174 CTCTCTGAAAAAATGGTGGCTGACGACCCACAGATGCGAGCTGGAGAGAAATCTCAA 1233

QY 575 GTGTCTCAATGTTGGAGCTGTGCTTACTGAGAACTTTTCTACACAAAAAGTCAAGATG 634
 Db 1234 GTGTCTCAATGTTGGAGCTGTGCTTACTGAGAACTTTTCTACACAAAAAGTCAAGATG 1293

QY 635 CACATCCACTCTACCAATGAGAGGAGAAATTTCAATGTGATAGTACTCTCAGAGA 694
 Db 1294 CACATCCACTCTACCAATGAGAGGAGAAATTTCAATGTGATAGTACTCTCAGAGA 1353

QY 695 GCGATGGAACCAACAGATATGTCTTCTGGAGGTACCGGGAGCTATAGGTGTTGCT 754
 Db 1354 GCGATGGAACCAACAGATATGTCTTCTGGAGGTACCGGGAGCTATAGGTGTTGCT 1413

QY 755 GGTATTGACCCCTCAGAGTGGAGAGCTGTGTTTCATGAACTGAGAGACTTTGGAACA 814
 Db 1414 GGTATTGACCCCTCAGAGTGGAGAGCTGTGTTTCATGAACTGAGAGACTTTGGAACA 1473

QY 815 CTGAAAAAGAGGGTGGAGACCTTGAAGAACAATTTGTTGCAAGCTGGAGTGCAGAA 874
 Db 1474 CTGAAAAAGAGGGTGGAGACCTTGAAGAACAATTTGTTGCAAGCTGGAGTGCAGAA 1533

QY 875 GAATTTGGTCTTCTGTTCTTCTAGTGGGAGAGATTAATTAAGACTCTTCAAGAG 934
 Db 1534 GAATTTGGTCTTCTGTTCTTCTAGTGGGAGAGATTAATTAAGACTCTTCAAGAG 1593

QY 935 CGTGGCGTGGCTATATTAATGCTGACTCTCTATTAAGAGAACTACCTGAGAGTT 994
 Db 1594 CGTGGCGTGGCTATATTAATGCTGACTCTCTATTAAGAGAACTACCTGAGAGTT 1653

QY 995 GATTGTACACCACTGATGTACAGCTTGTGTATACAACTTAACAAAGAGCTGAAAAGCCCT 1054
 |||||

Db 1654 GATTGTACACCGCTGATGTATACAGTTGTGTACAACTTAACAAAGAGCTGAAAAGCCCT 1713
 QY 1055 GATGAAGGCTTTGAAGGCAAAATCTCTTATGAAGTGGACTTAATAAAAGTCTTCCCA 1114
 Db 1714 GATGAAGGCTTTGAAGGCAAAATCTCTTATGAAGTGGACTTAATAAAAGTCTTCCCA 1773

QY 1115 GAGTTCAGTGGGATGCCAGATTAAGCAAAATTTGGATCTGAAATGATTTGAGGTGTTG 1174
 Db 1774 GAGTTCAGTGGGATGCCAGATTAAGCAAAATTTGGATCTGAAATGATTTGAGGTGTTG 1833

QY 1175 TTCCACACGCTTGGAAATTTGCTTACGAGCAGAGACGGTATATCTAAATTTGGAAACAA 1234
 Db 1834 TTCCACACGCTTGGAAATTTGCTTACGAGCAGAGACGGTATATCTAAATTTGGAAACAA 1893

QY 1235 AATTCAGGCGGCTATCCACTGATGACAGTGTCTATGAACATATGATGTGTGGAAGAAG 1294
 Db 1894 AATTCAGGCGGCTATCCACTGATGACAGTGTCTATGAACATATGATGTGTGGAAGAAG 1953

QY 1295 TTTTATGATCAATGTTTAAATATCACTCACTGTGTGCGCAGGTTTGAAGAGGATGTG 1354
 Db 1954 TTTTATGATCAATGTTTAAATATCACTCACTGTGTGCGCAGGTTTGAAGAGGATGTG 2013

QY 1355 TTTGAGCTAGCCCAATTTCCATAGTCTCTCTTTGATGTGCGAGATTAATGCTGATTTTA 1414
 Db 2014 TTTGAGCTAGCCCAATTTCCATAGTCTCTCTTTGATGTGCGAGATTAATGCTGATTTTA 2073

QY 1415 AGAAAGTATGTCACAAATCTACA 1439
 Db 2074 AGAAAGTATGTCACAAATCTACA 2098

RESULT 11
 AX505108 2653 bp DNA linear PAT 27-SEP-2002
 LOCUS AX505108
 DEFINITION Sequence 1 from Patent WO0240059.
 ACCESSION AX505108
 VERSION AX505108.1 GI:23386415
 KEYWORDS
 SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.

REFERENCE
 1 Mincheff, M.S., Loukinov, D.I. and Zoubak, S.
 Methods and compositions for inducing cell-mediated immune
 responses
 Patent: WO 0240059-A 1 23-MAY-2002;
 American Foundation for Biological Research Inc. (US) ; Mincheff,
 Milcho S. (US) ; Loukinov, Dmitri I. (US) ; Zoubak, Serguei (US)

JOURNAL

FEATURES
 source
 1..2653
 /organism="Homo sapiens"
 /mol_type="unassigned DNA"
 /db_xref="taxon:9606"
 262..2514
 /note="unnamed protein product"
 /codon_start=1
 /protein_id="CAD48801.1"
 /db_xref="GI:23386416"
 /db_xref="EMBL:CAD48801.1"
 /translation="MNNLHETDSAVATARRPRWICAGALVLAGGFELLGLTGMFNIK
 SSNEATNITPKHNMKAFDELKAENIKFELYNFTQIPHLAGEONFOLAKOIOSQWKE
 FGLDSVEIHLAVHLSYPKRTPBNYISINEDGNIFNTSLPEPPEGVENSDIVP
 FSAFSPQGMDEGDIVVNVARTDEDFKLERDKINGSKIIVARIGKVRGKVKAAO
 LGAKEVILYSPADYFPAQVYSYDPGMWLPGGQYORNIILNAGADPLTGYPAHE
 VAVRRGIAVAGLPSTIPVPIGYIDAQKLEKMGSAAPDSSMRGSLKYPVYGEPT
 GNEFTQKVMHLHSTNEVRIYVNIITLGAFAVEPRXYVILGGHRSWVFGIDPOSGA
 AVVHEIYRFGFLKEGMRPRITLIFASNDABEFGILGETVAEENSRILJOERGVAVI
 NDSSTISGNVTRVDCPTPLMYSVHLNLTKEKSPDEGFEKSLYESMTKKSBSPEFG
 MBRIKSLGNDPEVNFORLIGASGARATYTKMWTNPFSGYPLVHSVETVELVEKEY
 DMFKHNLVVAOVRGMVRELANSYLPDCCDXYAVLAKYADKIYISIMKHPOEMKT
 YVSPFSLSAVKNFTELASKSPSERLODCKNSPIVLRMNQMLLEAFIDPLGILP
 DBPFYRHVLIYAPSSHNVKAGBSPPGIYDALFDISKVDSKAMGEVKKOIYYAAFTVO

ORIGIN AA02LSEVA"

Query Match 32.4%; Score 646; DB 6; Length 2653;
Best Local Similarity 99.2%; Pred. No. 0;
Matches 1096; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

335 GGTGGAATCTTCTCGAGAGTGTGTCCAGAGGGAATATCTAAATCTGAATGGTGCA 394
Db GGTGGAATCTTCTCGAGAGTGTGTCCAGAGGGAATATCTAAATCTGAATGGTGCA 1053
395 GGAAGCCTCTCAGACAGGTTACCCAGAAATGATACGCTTATAGCATGGAATTGCA 454
Db GGAAGCCTCTCAGACAGGTTACCCAGAAATGATATGCTTATAGCGCGTGAATTGCA 1113
455 GAGGCTGTGTCTTCCAGATTTCTGTTATCCAGTGGATATCTATGATGCAAGAG 514
Db GAGGCTGTGTCTTCCAGATTTCTGTTATCCAGTGGATATCTATGATGCAAGAG 1173
515 CTCTAGAAAAAATGGGTGCTCAGACACAGATGAGAGCTGAGAGGAAGTCTGAAA 574
Db CTCTAGAAAAAATGGGTGCTCAGACACAGATGAGAGCTGAGAGGAAGTCTGAAA 1233
575 GTGTCTTCAATGTGGAAGCTGCTTTATCTGAAAATTTTCTACACAAAAGTCAAGT 634
Db GTGTCTTCAATGTGGAAGCTGCTTTATCTGAAAATTTTCTACACAAAAGTCAAGT 1233
635 CACATCCATCTACCAATGAAAGTACAGAAATTTTCAATGATGATGATCTTCAAGGA 694
Db CACATCCATCTACCAATGAAAGTACAGAAATTTTCAATGATGATGATCTTCAAGGA 1294
695 GCAATGGAACAGACAGATATGTCATTCTGGAGAGTCAAGCGGAGCTCATGGGTGTT 754
Db GCAATGGAACAGACAGATATGTCATTCTGGAGAGTCAAGCGGAGCTCATGGGTGTT 1354
755 GGTATGACCTCAGAGTGAAGCAGCTGTGTTATGAAAATCTGAGAGGCTTTGAAACA 814
Db GGTATGACCTCAGAGTGAAGCAGCTGTGTTATGAAAATCTGAGAGGCTTTGAAACA 1414
815 CTGAAAAAGAAAGGTGAGACCTGAAAGAAATTTTGTGCAAGCTGGAGTCAAGAA 874
Db CTGAAAAAGAAAGGTGAGACCTGAAAGAAATTTTGTGCAAGCTGGAGTCAAGAA 1474
875 GAATTTGCTCTTCTGTTCTACTGAGTGGGAGAGGATAATCAAGCTCCCTCAAGAG 934
Db GAATTTGCTCTTCTGTTCTACTGAGTGGGAGAGGATAATCAAGCTCCCTCAAGAG 1534
935 CGTGGCGTGGCTTATATTAATGCTGACTCATCTATAGAGAACTACCTGAGAGTT 994
Db CGTGGCGTGGCTTATATTAATGCTGACTCATCTATAGAGAACTACCTGAGAGTT 1594
995 GATTGTACCACTGATGTAACGCTGTGTATCAACTTAACAAAGAGCTGAAAAGCCT 1054
Db GATTGTACCACTGATGTAACGCTGTGTATCAACTTAACAAAGAGCTGAAAAGCCT 1654
1055 GATGAAGGCTTTGAAGGCAATCTCTTATGAAGGTTGAAAGTAAAGTCCCTCCCA 1114
Db GATGAAGGCTTTGAAGGCAATCTCTTATGAAGGTTGAAAGTAAAGTCCCTCCCA 1714
1115 GAGTTCACTGAGTCCAGAGATTAAGCAATTTGGAGTCTGAAAATGTTTGAAGTGTTC 1174
Db GAGTTCACTGAGTCCAGAGATTAAGCAATTTGGAGTCTGAAAATGTTTGAAGTGTTC 1774
1175 TTCCACAGACTTGAATGCTTCCAGGAGACAGCGGTATCTAATAAATTGGAAAACAAAC 1234
Db TTCCACAGACTTGAATGCTTCCAGGAGACAGCGGTATCTAATAAATTGGAAAACAAAC 1834
1235 AAATTCAGCGGCTATCCATGATCAAGGTCTATGAAACATATGATGTTGGTGAAG 1294
Db AAATTCAGCGGCTATCCATGATCAAGGTCTATGAAACATATGATGTTGGTGAAG 1894
1295 TTTTATGATCAATGTTTAAATATCACTGATGAGTCCAGGTTGAGAGAGGATGTG 1354
Db TTTTATGATCAATGTTTAAATATCACTGATGAGTCCAGGTTGAGAGAGGATGTG 1893

Db 1954 TTTTATGATCAATGTTTAAATATCACTGATGAGTCCAGGTTGAGAGAGGATGTG 2013
Qy 1355 TTTGAGTACGCAATTCATGATGCTCTTTGATTTGTGAGATTATGCTGATTTTA 1414
Db 2014 TTTGAGTACGCAATTCATGATGCTCTTTGATTTGTGAGATTATGCTGATTTTA 2073

RESULT 12

HUMPSM 2653 bp mRNA linear PRI 08-JAN-1995
LOCUS Human prostate-specific membrane antigen (PSM) mRNA, complete cds.
DEFINITION M99487
ACCESSION M99487.1 GI:190663
VERSION prostate-specific membrane antigen.
KEYWORDS Homo sapiens (human)
SOURCE
ORGANISM

REFERENCE
AUTHORS
TITLE
Molecular cloning of a complementary DNA encoding a prostate-specific membrane antigen
Cancer Res. 53 (2), 227-230 (1993)
JOURNAL
MEDLINE
PUBMED
COMMENT
Original source text: Homo sapiens (tissue library: LNCap cDNA of Ron Israeli) male prostatic carcinoma metastatic lymph node cDNA to mRNA.

FEATURES

source

Location/Qualifiers
1..2653
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/sex="male"
/cell_line="LNCap-ATCC"
/cell_type="prostate"
/tissue_type="prostatic carcinoma metastatic lymph node"
/germline
/tissue_lib="LNCap cDNA of Ron Israeli"
1..2653
/gene="PSM"
262..2514
/gene="PSM"
/codon_start=1
/evidence=experimental
/product="prostate-specific membrane antigen"
/protein_id="AA60209.1"
/db_xref="GI:190664"
/translation="MNNLHETDSDAVATARRPRWLKAGLVLAGFLLGFLGFLGFWFIK
SSNEATNIPKNNMKAFLDELKABENIKFELVNPFOIPLHAGBONQOLAKOTOSMKE
FGUDSEVLEAHYVULSYPKTKPNYSIINEGNEIFNLSLEPPPGYBNSDIYIP
EAFSPQGPREDVLYNATREDPKLDRDKINSGKIVARIGKVRGNKVAQ
LGAAGVILYSDPADVPAGVKSYPDGMALPGGVORNGIIVLWNGDPLTPDYPNQ
YAVRRIGAEAVGLPSIPVPIGIVYAOQLKLEKSGSAPDSSRWGLKTPYVNGPEFT
GNFSTQKVMGHIHSTNIEVRIYVNIQTLGAVEPDDYVILGGIRDSWVGGLDPOGA
AVVHEIVRSFGLKKEGMRPRTIIPASDADEBFLGSTTEAAEENSRLLQREGVAVI
NADSIENGYTLRYDCTPLMYSLVHNUTLEKSPDGEFGKSLYSWTKKSBSPEFG
MPSIKLGSNDPEFFPQRLGASGARATKMETNKSFGYPLVHSVETVELVERFY
DMWFKHLTVAVNRGQWVEELANSIVLPDRCDDYAVVLRKIVADKLYISIMKHPQEMKT
YVSPDPSLESAVNFTPEIASKFSERLQDCKSNPIVLRMMNDQMLFLEBAFTDPLGLP
DRPFYHVIYAPSSHNKYAGESFPGIYDALFDLBSKVDPSKAMGEVKQIYVAATFVQ
AA02LSEVA"

gene

CDS

ORIGIN

Query Match 32.4%; Score 646; DB 9; Length 2653;
Best Local Similarity 99.2%; Pred. No. 0;
Matches 1096; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

Qy 335 GGTGGAATCTTCTCGAGAGTGTGTCCAGAGGGAATATCTAAATCTGAATGGTGCA 394

Db 994 GGTGGAAATCTCTGGAGGTGTGTCACAGTGAATAATCTGAATGTGACA 1053
QY 395 GGAGACCTCTCACACAGGTTACCCAGCAAAATGAAATACGCTTATGGCATGGAATTGCA 454
Db 1054 GGAGACCTCTCACACAGGTTACCCAGCAAAATGAAATGCTTATGGCATGGAATTGCA 1113
QY 455 GAGGCTGTTGGTCTTCCAGATATTCCTGTTTCATCCAGTGGATACATATGACAGAAAG 514
Db 1114 GAGGCTGTTGGTCTTCCAGATATTCCTGTTTCATCCAGTGGATACATATGACAGAAAG 1173
QY 515 CTCCTGAAAAAATGGGTGGCTCAGACCAACAGATAGCAGCTGGAGAGGAAGCTTCAAA 574
Db 1174 CTCCTGAAAAAATGGGTGGCTCAGACCAACAGATAGCAGCTGGAGAGGAAGCTTCAAA 1233
QY 575 GGTCTCTAGCAATGTGGACCTGGCTTACGTGAACCTTTCTACACAAAAGTCAAGATG 634
Db 1234 GTGCCCTACAAATGTGGACCTGGCTTACGTGAACCTTTCTACACAAAAGTCAAGATG 1293
QY 635 CACATCCACTCTACCAATGAGTGAAGTGAAGCAATTTACATGATAGTACTCTCAGAGA 694
Db 1294 CACATCCACTCTACCAATGAGTGAAGTGAAGCAATTTACATGATAGTACTCTCAGAGA 1353
QY 695 GCAGTGAACCAAGACAGATATGTCATTCTGGAAGGTCAACGGGAATGATGGTGGT 754
Db 1354 GCAGTGAACCAAGACAGATATGTCATTCTGGAAGGTCAACGGGAATGATGGTGGT 1413
QY 755 GGTATTTGACCTCAGAGTGAAGAGCTGTTGTTCAATGAACCTGAGAGAGCTTTGAGCA 814
Db 1414 GGTATTTGACCTCAGAGTGAAGAGCTGTTGTTCAATGAACCTGAGAGAGCTTTGAGCA 1473
QY 815 CTGAAAAAGGAAGGTGAGAGACCTAGAGAACAATTTGTTGCAAGCTGGATGACAGA 874
Db 1474 CTGAAAAAGGAAGGTGAGAGACCTAGAGAACAATTTGTTGCAAGCTGGATGACAGA 1533
QY 875 GAAATTTGGTCTTCTGTTCTTACTGATGGGCAAGAGTAATTCAGACTCTTCAAGAG 934
Db 1534 GAAATTTGGTCTTCTGTTCTTACTGATGGGCAAGAGTAATTCAGACTCTTCAAGAG 1593
QY 935 CGAGGGGTGCTTATTTATGCTGACTCATCTATTAAGGAACTACACTCTGAGAGTT 994
Db 1594 CGAGGGGTGCTTATTTATGCTGACTCATCTATTAAGGAACTACACTCTGAGAGTT 1653
QY 995 GATTGTACACACATGATGACAGCTTGGTATACCACTTAACAAAAGAGCTGAAAAGCCCT 1054
Db 1654 GATTGTACACACATGATGACAGCTTGGTATACCACTTAACAAAAGAGCTGAAAAGCCCT 1713
QY 1055 GATGAAGGCTTTGAAGGCAATCTCTTATGAAGAGTTGGAATAAAAAGTCTTCCCA 1114
Db 1714 GATGAAGGCTTTGAAGGCAATCTCTTATGAAGAGTTGGAATAAAAAGTCTTCCCA 1773
QY 1115 GATTTACGTGGCAATGCCAGATTAAGCAATGGGAACTGAAAATGATTTGAGGTGTC 1174
Db 1774 GATTTACGTGGCAATGCCAGATTAAGCAATGGGAACTGAAAATGATTTGAGGTGTC 1833
QY 1175 TTCCAACGATTTGGAATTTGCTTCAGGACAGACGATATCTAAAAATTTGGAAAAACAAC 1234
Db 1834 TTCCAACGATTTGGAATTTGCTTCAGGACAGACGATATCTAAAAATTTGGAAAAACAAC 1893
QY 1235 AAATTCAGCGGCTATTCACATGATACAGATGTCTATGAAAATATGAGTTGGTGAAG 1294
Db 1894 AAATTCAGCGGCTATTCACATGATACAGATGTCTATGAAAATATGAGTTGGTGAAG 1953
QY 1295 TTTTATGATCAATGTTAAATTAATCACTCACTGTGGCCAGAGTTCAAGAGAGGATG 1354
Db 1954 TTTTATGATCAATGTTAAATTAATCACTCACTGTGGCCAGAGTTCAAGAGAGGATG 2013
QY 1355 TTTGAGCTAGCAATTCATATGCTCTTTGATGATGAGATTAATGCTGATGTTTA 1414
Db 2014 TTTGAGCTAGCAATTCATATGCTCTTTGATGATGAGATTAATGCTGATGTTTA 2073
QY 1415 AGAAGTATGCTGCAAAATCTACA 1439

Db 2074 AGAAGTATGCTGCAAAATCTACA 2098
RESULT 13
AY101595 2253 bp mRNA linear PRI 27-MAY-2002
LOCUS
DEFINITION Homo sapiens prostate-specific membrane antigen mRNA, complete cds.
ACCESSION AY101595
VERSION AY101595.1 GI:21217742
KEYWORDS
SOURCE
ORGANISM Homo sapiens (human)
Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE
1 (bases 1 to 2253)
Ye, C.Z., Zhang, F.L., Zhang, Y.K. and Chen, C.O.
Cloning and sequencing of Chinese prostate-specific membrane
antigen
Mamylxue Zazhi 17 (5), 328-330 (2001)
JOURNAL
REFERENCE
AUTHORS
TITLE
JOURNAL
TITLES
JOURNAL
SUBMITTED (06-MAY-2002) Department of Urology, Zhongshan Hospital,
Medical Center of Fudan University, Fenglin Rd 180, Shanghai
200032, China
FEATURES
source
1..2253
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="pm25"
/sex="male"
/tissue_type="prostate carcinoma"
/country="China"
1..2253
/codon_start=1
/product="prostate-specific membrane antigen"
/protein_id="AA034479.1"
/db_xref="GI:21217743"
/translation="MNNLHEDNSAVATARRPRLVAGALVLAGPFLGPFLEMFIX
SSEANTRIPKMKAFIDELAKENIKRELVNFTQIPLHAGTEONPOLAKOIOSKWE
FGIDSVELAHYVILSYPKTHPNITSIINENGNEIFNLSLEPPPGRENTSDYLP
FSFSPQMPESDLYVNAVARTDEPFKLERDKINCSKIVARIGKVRKAVKNAQ
LAGAKVILISDPAVYFAPGVSPDGWMLPGGVQORNIINLNGADPLTEGYANE
VAYRRIAGAVGLPSIPVPIGYDAOKLEKMGSGAPDSMSRGLKVPYVVGFT
GNPSOKVMHISHNEVTRIYNVIGLGAVEPRVYVILGHRDSWVGIDPOGA
AYVHEIVRSFGLKKRGMRRRTIILPASDAERGLIGSTEAERNSRLORGYAYI
NADDSIENGYTLKVDCTPLMYSLVHNLTKELSPDGEFGKSLYSWTKSPSPSG
MPRIKSLGNDPEVEFFORLGIASGARITKWEITNKGYPVYHSVETYLVEKFY
DMFKYHLTVAAVGRGMVEELANSIVLPDCCNDYAVVJAKYADKIYSIMKPOEMKT
YSVSPDSLSAVNFTFELISKFESERLODPDKSNPILVIRMMNDQMLFERAFIDPLLP
DPEYRHVIVAPSSHNKYAGSEFPQIYDALFPIESVDSKAMGEVKRQIYVAAFTVO
AAETLSEVA"

ORIGIN
Query Match 29.9%; Score 595; DB 9; Length 2253;
Best Local Similarity 99.1%; Pred. No. 1.5e-307;
Matches 1095; Conservative 0; Mismatches 10; Indels 0; Gaps 0;
QY 335 GGTGGAATCTTCTGGAGGTGTGTCAGCGTGAATAATCTTAATCTGAATGTGCA 394
Db 733 GGTGGAATCTTCTGGAGGTGTGTCAGCGTGAATAATCTTAATCTGAATGTGCA 792
QY 395 GGAGACCTCTCACACAGGTTACCCAGCAAAATGAAATGCTTATGGCATGGAATTGCA 454
Db 793 GGAGACCTCTCACACAGGTTACCCAGCAAAATGAAATGCTTATGGCATGGAATTGCA 852
QY 455 GAGGCTGTTGGTCTTCCAGATATTCCTGTTTCATCCAGTGGATACATATGACAGAAAG 514
Db 853 GAGGCTGTTGGTCTTCCAGATATTCCTGTTTCATCCAGTGGATACATATGACAGAAAG 912
QY 515 CTCCTGAAAAAATGGGTGGCTCAGACCAACAGATAGCAGCTGGAGAGGAAGCTTCAAA 574

```

Db      913 CTCCTAGAAAAATGGGTGGCTCAGACCAACAGATAGCAGCTGGAGAGAGTCTCAAA 972
Qy      575 GTGCTCAGATGTTGGACCTGGCTTACTGGAACTTTTCTACACAAAAGTCAATG 634
Db      973 GTGCCCTACAGATGTTGGACCTGGCTTACTGGAACTTTTCTACACAAAAGTCAATG 1032
Qy      635 CACATCCACTCTACCAATGAGTGAAGCAGAAATTTACATGATGATGATCTCTCAGAGA 694
Db      1033 CACATCCACTCTACCAATGAGTGAAGCAGAAATTTACATGATGATGATCTCTCAGAGA 1092
Qy      695 GCAGTGAACCAACAGATATGTCATTTCTGGAGTCAACCGGAGCTCATGGGTGGT 754
Db      1093 GCAGTGAACCAACAGATATGTCATTTCTGGAGTCAACCGGAGCTCATGGGTGGT 1152
Qy      755 GGATATGACCTCAGAGTGAAGCAGCTGTTGTCATGAACTGAGAGAGTTTGGACA 814
Db      1153 GGATATGACCTCAGAGTGAAGCAGCTGTTGTCATGAAATGAGAGAGCTTGGACA 1212
Qy      815 CTGAAAAAGAGAGGTGAGACCTAGAAACAATTTTGTTCAGAGCTGGAGTGCAGAA 874
Db      1213 CTGAAAAAGAGAGGTGAGACCTAGAAACAATTTTGTTCAGAGCTGGAGTGCAGAA 1272
Qy      875 GAATTTGCTCTTCTGTTCTACTGAGTGGCAGAGAGATTAATTCAGACTCTTCAAG 934
Db      1273 GAATTTGCTCTTCTGTTCTACTGAGTGGCAGAGAGATTAATTCAGACTCTTCAAG 1332
Qy      935 CGTGGCGTGGCTTATATTAATGCTGATCTCATCTATTAAGAACTACCTCTGAGAGT 994
Db      1333 CGTGGCGTGGCTTATATTAATGCTGATCTCATCTATTAAGAACTACCTCTGAGAGT 1392
Qy      995 GATTGTACACAGCTGATGACAGCTTGTATACAACTTAACAAAGAGCTGAAAAGCCT 1054
Db      1393 GATTGTACACAGCTGATGACAGCTTGTATACAACTTAACAAAGAGCTGAAAAGCCT 1452
Qy      1055 GATGAAGGCTTTGAGAGCAATCTCTTATGAAAAGTTGACATAAAAAGTCTCTCCCA 1114
Db      1453 GATGAAGGCTTTGAGAGCAATCTCTTATGAAAAGTTGACATAAAAAGTCTCTCCCA 1512
Qy      1115 GATTTAGTGGCAGTCCAGAGATTAAGCAATGGGAGCTGAGAAATGTTTGAAGCTTC 1174
Db      1513 GATTTAGTGGCAGTCCAGAGATTAAGCAATGGGAGCTGAGAAATGTTTGAAGCTTC 1572
Qy      1175 TTCCAAAGCACTTGAATTTGCTTCAAGCAGACAGCTATCTAAATTTGGAAACAAAC 1234
Db      1573 TTCCAAAGCACTTGAATTTGCTTCAAGCAGACAGCTATCTAAATTTGGAAACAAAC 1632
Qy      1235 AAATTCAGCGGCTATCCAGTGTATCAGAGTGTCTATGAAAATATGAGTTGGTGAAG 1294
Db      1633 AAATTCAGCGGCTATCCAGTGTATCAGAGTGTCTATGAAAATATGAGTTGGTGAAG 1692
Qy      1295 TTTTATGATCCAGTGTATTAATTAATCACTGCTGGCCAGGTTGAGAGAGGATGATG 1354
Db      1693 TTTTATGATCCAGTGTATTAATTAATCACTGCTGGCCAGGTTGAGAGAGGATGATG 1752
Qy      1355 TTTGAGCTAGCAATTCATAGTGTCTCTTTGATGATGAGATTAATGCTGATTTTA 1414
Db      1753 TTTGAGCTAGCAATTCATAGTGTCTCTTTGATGATGAGATTAATGCTGATTTTA 1812
Qy      1415 AGAAGTATGCTACAAAATCTACA 1439
Db      1813 AGAAGTATGCTACAAAATCTACA 1837

```

```

RESULT 14
LOCUS      AP003122      137888 bp      DNA      linear      PRI 15-MAR-2003
DEFINITION Homo sapiens genomic DNA, chromosome 11q, clone:RP11-31312,
complete sequence.
ACCESSION AP003122
VERSION   AP003122.2 GI:15320502
KEYWORDS  HTG.
SOURCE    Homo sapiens (human)
ORGANISM  Homo sapiens

```

```

REFERENCE
AUTHORS    Hattori,M., Ishii,K., Toyoda,A., Taylor,T.D., Hong-Seog,P.,
            Fujiyama,A., Yada,T., Totoki,Y., Watanabe,H. and Sakaki,Y.
TITLE      Homo sapiens genomic DNA
JOURNAL    Published Only in Database (2001)
REFERENCE  2 (bases 1 to 137888)
AUTHORS    Hattori,M., Ishii,K., Toyoda,A., Taylor,T.D., Hong-Seog,P.,
            Fujiyama,A., Yada,T., Totoki,Y., Watanabe,H. and Sakaki,Y.
TITLE      Direct Submission
SUBMITTED  (26-JAN-2001) Masahira Hattori, The Institute of Physical
and Chemical Research (RIKEN), Genomic Sciences Center (GSC),
1-7-22 Suenho-chou,Tsukumi-ku, Yokohama, Kanagawa 230-0045, Japan
E-mail:hattori@gsc.riken.go.jp, URL:http://hsp.gsc.riken.go.jp/,
Tel:81-45-503-9111, Fax:81-45-503-9170
On Aug 27, 2001 this sequence version replaced gi:12597178.
FEATURES
source     1..137888
            /organism="Homo sapiens"
            /mol_type="genomic DNA"
            /db_xref="taxon:9606"
            /chromosome="11"
            /map="11q"
            /clone="RP11-31312"

```

ORIGIN

```

Query Match      21.5%; Score 428; DB 9; Length 137888;
Best Local Similarity 100.0%; Pred. No. 5,7e-218;
Matches 428; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

Qy      1 AGCAATATCTCATCTACCAAAATTAAGACATTTTCCAAATCTGATGTTTCTGAGATTTTA 60
Db      11129 AGCAATATCTCATCTACCAAAATTAAGACATTTTCCAAATCTGATGTTTCTGAGATTTTA 11188
Qy      61 GAGCTTATGATGACAAAAGAAAAGGAAATCTCTGAGATGTCCTTTTGTGAGGCC 120
Db      11189 GAGCTTATGATGACAAAAGAAAAGGAAATCTCTGAGATGTCCTTTTGTGAGGCC 11248
Qy      121 TAATGACAAAGGTTGAAGATTAAGTTCTAGTACTCATTTTAAGTAAATTAAGAAATTTG 180
Db      11249 TAATGACAAAGGTTGAAGATTAAGTTCTAGTACTCATTTTAAGTAAATTAAGAAATTTG 11308
Qy      181 ATATTACCAATCTGGAACAACCAATTTTAATTAAGAAAGAAAGCACTGTGTTTCTA 240
Db      11309 ATATTACCAATCTGGAACAACCAATTTTAATTAAGAAAGAAAGCACTGTGTTTCTA 11368
Qy      241 GGTAAATAATGCCCACTGGCAGAGGGCCAAAGAGTCATTTCTACTCAGAACCTGCTGA 300
Db      11369 GGTAAATAATGCCCACTGGCAGAGGGCCAAAGAGTCATTTCTACTCAGAACCTGCTGA 11428
Qy      301 CTACTTGTCTCTGGGGTGAAGTCTATCCAGACGGTTGGAATCTTCTGAGAGTGTGT 360
Db      11429 CTACTTGTCTCTGGGGTGAAGTCTATCCAGACGGTTGGAATCTTCTGAGAGTGTGT 11488
Qy      361 CCAAGCTGGAATTAATCTTAATCTGAATGTGACAGAGACCTCTCAACACAGGTTAACCC 420
Db      11489 CCAAGCTGGAATTAATCTTAATCTGAATGTGACAGAGACCTCTCAACACAGGTTAACCC 11548
Qy      421 AGCAATG 428
Db      11549 AGCAATG 11556

```

```

RESULT 15
LOCUS      AC024234/c      192648 bp      DNA      linear      HTG 01-SEP-2000
DEFINITION Homo sapiens chromosome 11 clone RP11-31312, WORKING DRAFT
SEQUENCE, 27 unordered pieces.
ACCESSION AC024234
VERSION   AC024234.5 GI:8569915
KEYWORDS  HTG; HTGS_PHA81; HTGS_DRAFT.
SOURCE    Homo sapiens (human)

```


ORGANISM Homo sapiens
REFERENCE Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
AUTHORS 1 (bases 1 to 192648)
TITLE The sequence of Homo sapiens clone
JOURNAL Unpublished
REFERENCE 2 (bases 1 to 192648)
AUTHORS Waterston, R.H.
TITLE Direct Submision
JOURNAL Submitted (28-FEB-2000) Genome Sequencing Center, Washington University School of Medicine, 4444 Forest Park Parkway, St. Louis, MO 63108, USA
COMMENT On Jun 16, 2000 this sequence version replaced gi:7284696.
----- Genome Center -----
Center: Washington University Genome Sequencing Center
Center code: WUGSC
Web site: http://genome.wustl.edu/gsc/index.shtml
----- Project Information -----
Center project name: H NH0313102
----- Summary Statistics -----
Sequencing vector: M13, 1008
Sequencing vector: plasmid, 08
Chemistry: Dye-primer ET; 100% of reads
Chemistry: Dye-terminator Big Dye; 0% of reads
Assembly program: Phrap; version 0.990319
Consensus quality: 181493 bases at least Q40
Consensus quality: 181864 bases at least Q40
Consensus quality: 186864 bases at least Q30
Insert size: 188000; agarose-fp
Insert size: 190048; sum-of-contigs
Quality coverage: 3.74 in Q20 bases; agarose-fp
Quality coverage: 3.73 in Q20 bases; sum-of-contigs

* NOTE: This is a 'working draft' sequence. It currently
* consists of 27 contigs. The true order of the pieces
* is not known and their order in this sequence record is
* arbitrary. Gaps between the contigs are represented as
* runs of N, but the exact sizes of the gaps are unknown.
* This record will be updated with the finished sequence
* as soon as it is available and the accession number will
* be preserved.
1
1413: contig of 1413 bp in length
1414
1513: gap of unknown length
1514
2978: contig of 1465 bp in length
2979
3078: gap of unknown length
3079
4859: contig of 1781 bp in length
4860
4959: gap of unknown length
4960
6723: contig of 1764 bp in length
6724
6823: gap of unknown length
6824
9068: contig of 2245 bp in length
9069
9169
11510: gap of unknown length
11510: contig of 2342 bp in length
11511
11610: gap of unknown length
11611
15431: contig of 3821 bp in length
15432
15531: gap of unknown length
15532
18469: contig of 2938 bp in length
18470
18569: gap of unknown length
18570
22092: contig of 3523 bp in length
22093
22192: gap of unknown length
22193
25250: contig of 3058 bp in length
25251
25350: gap of unknown length
25351
28352: contig of 3002 bp in length
28353
28452: gap of unknown length
28453
31549: contig of 3097 bp in length
31550
31649: gap of unknown length
31650
34631: contig of 2982 bp in length
34632
34731: gap of unknown length
34732
38468: contig of 3737 bp in length
38469
38568: gap of unknown length
38569
42337: contig of 3769 bp in length
42338
42437: gap of unknown length

FEATURES
source
1..192648
/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
/chromosome="11"
/clone="RP11-31312"
1..1413
/note="assembly_name:Contig10"
misc_feature
1514..2978
/note="assembly_name:Contig11"
misc_feature
3079..4859
/note="assembly_name:Contig12"
misc_feature
4960..6723
/note="assembly_name:Contig13"
misc_feature
6824..9068
/note="assembly_name:Contig14"
misc_feature
9169..11510
/note="assembly_name:Contig15"
misc_feature
11611..15431
/note="assembly_name:Contig16"
misc_feature
15532..18469
/note="assembly_name:Contig17"
misc_feature
18570..22092
/note="assembly_name:Contig18"
misc_feature
22193..25250
/note="assembly_name:Contig19"
misc_feature
25351..28352
/note="assembly_name:Contig20"
misc_feature
28453..31549
/note="assembly_name:Contig21"
misc_feature
31650..34631
/note="assembly_name:Contig22"
misc_feature
34732..38468
/note="assembly_name:Contig23"
misc_feature
38569..42337
/note="assembly_name:Contig24"
misc_feature
42438..47543
/note="assembly_name:Contig25"
misc_feature
47644..56048
/note="assembly_name:Contig26"
misc_feature
56149..64671
/note="assembly_name:Contig27"
misc_feature
64772..73100
/note="assembly_name:Contig28"
misc_feature
73201..81814
/note="assembly_name:Contig29"
misc_feature
81915..91133
/note="assembly_name:Contig30"
91234..101427
misc_feature
42438
47544
47644
56048
56149
56149
64672
64772
73100
73201
81814
81915
91133
91234
91234
101427
101428
101527
113041
113041
113141
113142
125504
125504
125604
140510
140510
140511
140611
158205
158205
158305
192648
47543: contig of 5106 bp in length
47643: gap of unknown length
56048: contig of 8405 bp in length
56148: gap of unknown length
64671: contig of 8523 bp in length
64771: gap of unknown length
73100: contig of 8329 bp in length
73200: gap of unknown length
81814: contig of 8614 bp in length
81914: gap of unknown length
91133: contig of 9219 bp in length
91233: gap of unknown length
101427: contig of 10194 bp in length
101428: gap of unknown length
101527: gap of unknown length
113041: contig of 11514 bp in length
113141: gap of unknown length
125504: contig of 12363 bp in length
125604: gap of unknown length
140510: contig of 14506 bp in length
140610: gap of unknown length
158204: contig of 17594 bp in length
158304: gap of unknown length
192648: contig of 34344 bp in length.
Location/Qualifiers
1..192648


```
/note="assembly_name:Contig31
clone_end:SP6
vector_side:left"
misc_feature 101528..113041
/note="assembly_name:Contig32"
misc_feature 113142..125504
/note="assembly_name:Contig33"
misc_feature 125605..140510
/note="assembly_name:Contig34"
misc_feature 140611..158204
/note="assembly_name:Contig35"
misc_feature 158305..192648
/note="assembly_name:Contig36"
```

ORIGIN

```
Query Match 21.5%; Score 428; DB 2; Length 192648;
Best Local Similarity 100.0%; Fred. No. 5.6e-218;
Matches 428; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGCAATATCTCATCAACCAATTAAGAACATTTCCAATCTGATGTTCTGAGATTTTTA 60
Db 163938 AGCAATATCTCATCAACCAATTAAGAACATTTCCAATCTGATGTTCTGAGATTTTTA 163879

QY 61 GAGCTTATAGTACGCAAAAGAGGAAATTCCTCTGAGATGTCCTTTTGTAGGCC 120
Db 163878 GAGCTTATAGTACGCAAAAGAGGAAATTCCTCTGAGATGTCCTTTTGTAGGCC 163819

QY 121 TAATGACAAAAGGTGAAGATTAAGTCTAGTACTCAATTAAGTATATTTGAAAATTG 180
Db 163818 TAATGACAAAAGGTGAAGATTAAGTCTAGTACTCAATTAAGTATATTTGAAAATTG 163759

QY 181 ATATTACCAATCTGAAACCAACCAATTTAAATTAAGAAAGAAAGACACTGTGTTTCTA 240
Db 163758 ATATTACCAATCTGAAACCAACCAATTTAAATTAAGAAAGAAAGACACTGTGTTTCTA 163699

QY 241 GGTAAAAATGCCAGCTGCGAGGGGCCAAAGAGTCATTCTCTACTCAGACCCTGCTGA 300
Db 163698 GGTAAAAATGCCAGCTGCGAGGGGCCAAAGAGTCATTCTCTACTCAGACCCTGCTGA 163639

QY 301 CTACTTTGCTCCCTGGGGTGAAGTCTTATCCAGACGTTTGAATCTTCTGAGGTGSGTGT 360
Db 163638 CTACTTTGCTCCCTGGGGTGAAGTCTTATCCAGACGTTTGAATCTTCTGAGGTGSGTGT 163579

QY 361 CCAGCGTGAATATCTTAATCTGAATGTGACAGAGACCTCTCACACAGGTTTACC 420
Db 163578 CCAGCGTGAATATCTTAATCTGAATGTGACAGAGACCTCTCTCACACAGGTTTACC 163519

QY 421 AGCAATG 428
Db 163518 AGCAATG 163511
```

Search completed: February 17, 2004, 19:37:11
Job time : 5294 secs

THIS PAGE BLANK (USPTO)

GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: February 17, 2004, 16:54:29 ; Search time 513 Seconds
(without alignments)
16495.927 Million cell updates/sec

Title: US-09-973-382C-1
Perfect score: 1992
Sequence: 1 agcaaataccactaccaca.....taaaaaaaaaaaaaaaaaa 1992

Scoring table: OLIGO_NUC
Gapop 60.0 , Gapext 60.0

Searched: 3373863 seqs, 2124099041 residues

Word size : 0

Total number of hits satisfying chosen parameters: 6747726

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Listing first 45 summaries

Database : N_Geneseq_29Jan04:*

1: geneseqn1980s:.*
2: geneseqn1990s:.*
3: geneseqn2000s:.*
4: geneseqn2001s:.*
5: geneseqn2001bs:.*
6: geneseqn2002s:.*
7: geneseqn2003as:.*
8: geneseqn2003bs:.*
9: geneseqn2003cs:.*
10: geneseqn2004s:.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1992	100.0	1992	3	AAC61762
2	810	40.7	2061	6	AAD34009
3	742	37.2	2558	3	AAC78599
4	742	37.2	2558	4	AAS45976
5	742	37.2	2558	7	ABX78579
6	742	37.2	2558	7	ACA75551
7	742	37.2	2558	7	ACA71031
8	742	37.2	2558	7	ACC87559
9	742	37.2	2558	7	ACC86945
10	742	37.2	2558	7	ACD04118
11	742	37.2	2558	7	ACA69449
12	742	37.2	2558	7	ACA90294
13	742	37.2	2558	7	ACC98401
14	742	37.2	2558	7	ACA98192
15	742	37.2	2558	7	ACA93834
16	742	37.2	2558	7	ACD15227
17	742	37.2	2558	7	ACD08814
18	742	37.2	2558	7	ACC96734
19	742	37.2	2558	7	ACF15455
20	742	37.2	2558	7	ACD42947
21	742	37.2	2558	7	ACA72822
22	742	37.2	2558	7	ACD02994
23	742	37.2	2558	7	ACD01809

24	742	37.2	2558	7	ACA92001	ACA92001	Novel hum
25	742	37.2	2558	7	ACA63982	ACA63982	Novel hum
26	742	37.2	2558	7	ACA89426	ACA89426	CDNA enco
27	742	37.2	2558	7	ACA73436	ACA73436	Human sec
28	742	37.2	2558	7	ACA05751	ACA05751	Human sec
29	742	37.2	2558	7	ACA65858	ACA65858	CDNA enco
30	742	37.2	2558	7	ACF20160	ACF20160	Human sec
31	742	37.2	2558	7	ACF19546	ACF19546	Human sec
32	742	37.2	2558	7	ACD21834	ACD21834	Human sec
33	742	37.2	2558	7	ACF12999	ACF12999	Human sec
34	742	37.2	2558	7	ACD25102	ACD25102	Human sec
35	742	37.2	2558	7	ACF00151	ACF00151	Human sec
36	742	37.2	2558	7	ACA72208	ACA72208	Novel hum
37	742	37.2	2558	7	ACD04732	ACD04732	Novel hum
38	742	37.2	2558	7	ACD18193	ACD18193	Human sec
39	742	37.2	2558	7	ACD08200	ACD08200	Human sec
40	742	37.2	2558	7	ACA88634	ACA88634	Novel hum
41	742	37.2	2558	7	ACA70076	ACA70076	Human sec
42	742	37.2	2558	7	ACD12298	ACD12298	Novel hum
43	742	37.2	2558	7	ACG74213	ACG74213	Human sec
44	742	37.2	2558	7	ACD15841	ACD15841	Human sec
45	742	37.2	2558	7	ACD25409	ACD25409	Novel hum

ALIGNMENTS

RESULT 1
AAC61762
ID AAC61762 standard; CDNA; 1992 BP.
XX
AC AAC61762;
XX
DT 06-MAR-2001 (first entry)
XX
DE cDNA encoding a prostate-specific membrane antigen-like protein.
XX
KW Human; prostate specific membrane antigen like protein; cancer;
KW PSMA-like protein; chromosome 11q14.3; schizophrenia;
KW schizophrenia disorder type II locus; ss.
XX
OS Homo sapiens.
XX
FH Key location/Qualifiers
FT CDS 527..1855
FT /tag= a
FT /product= "prostate-specific membrane antigen-like protein"
XX
PN M0200061605-A1.
XX
PD 19-OCT-2000.
XX
PF 07-APR-2000; 2000MO-US009417.
XX
PR 09-APR-1999; 99US-0128839P.
XX
PT (SLOK) SLOAN KETTERING INST CANCER RES.
XX
PA Heston MDW, O'Keefe DS;
XX
PI WPI; 2000-679461/66.
XX
DR P-PSDB; AAB19377.
XX
PT New DNA fragment encoding mammalian prostate specific membrane antigen
XX (PSMA) like protein, useful for distinguishing mammalian PSMA gene
XX expression or protein from PSMA-like gene expression or protein.
XX
PS Claim 2; Page 56-57; 75pp; English.
XX
CC The present sequence encodes a human prostate specific membrane antigen
XX (PSMA) like protein. The PSMA-like gene is mapped to chromosome 11q14.3,
XX to the schizophrenia disorder type II locus. Antibodies directed against

CC PSMa-like protein are useful for diagnosing cancers (prostate, bladder, pancreatic, sarcoma, melanoma, lung or kidney) or neurological disorders such as schizophrenia. They may also be used for screening for ligands of CC PSMa-like protein and imaging cells expressing PSMa-like protein

XX Sequence 1992 BP; 638 A; 352 C; 451 G; 551 T; 0 U; 0 Other;

Query Match 100.0%; Score 1992; DB 3; Length 1992;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1992; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGCAAACTACTCTACCCACAATTAAGAACATTTCCAAATCTGATGTTCTGAGGATTTTGA 60
DB 1 AGCAAACTACTCTACCCACAATTAAGAACATTTCCAAATCTGATGTTCTGAGGATTTTGA 60
QY 61 GACCTTAATAGTACCAAAAAGGAAATTTCTCTGAGATGTCCTTTTGTAGGCC 120
DB 61 GACCTTAATAGTACCAAAAAGGAAATTTCTCTGAGATGTCCTTTTGTAGGCC 120
QY 121 TAATGACAAAAGGTTGAAGATTAAGTCTAGTACTCATTTAAGTAAATTTGAAATTTG 180
DB 121 TAATGACAAAAGGTTGAAGATTAAGTCTAGTACTCATTTAAGTAAATTTGAAATTTG 180
QY 181 ATATTACCAATCTGAAACAACCAATTTAAATTAAGAAAGAAAGACACTGTGTTTCTA 240
DB 181 ATATTACCAATCTGAAACAACCAATTTAAATTAAGAAAGAAAGACACTGTGTTTCTA 240
QY 241 GGTAAAAAATGCCAGCTGGCAGGGGCCAAAGAGTATTCTTCTACTCAACCTGCTGA 300
DB 241 GGTAAAAAATGCCAGCTGGCAGGGGCCAAAGAGTATTCTTCTACTCAACCTGCTGA 300
QY 301 CTACTTGTCTCTGGGGTGAAGTCTCTATCCAGAGGTTGAAATTTCTGAGAGTGCTG 360
DB 301 CTACTTGTCTCTGGGGTGAAGTCTCTATCCAGAGGTTGAAATTTCTGAGAGTGCTG 360
QY 361 CCAAGCTGGAATAATCTTAAATCTGAATGCTGAGAGACCTCTCAACACAGTTAACCC 420
DB 361 CCAAGCTGGAATAATCTTAAATCTGAATGCTGAGAGACCTCTCAACACAGTTAACCC 420
QY 421 AGCAAAATGAATAGCTTTATAGGCAATGTCAGAGGCTGTGTTCTTCAAGTATTC 480
DB 421 AGCAAAATGAATAGCTTTATAGGCAATGTCAGAGGCTGTGTTCTTCAAGTATTC 480
QY 481 TGTTCATCCAGTTGATCTATGATGTCAGAGAGCTCTTGAAGAAATTTGGTGGCTAGC 540
DB 481 TGTTCATCCAGTTGATCTATGATGTCAGAGAGCTCTTGAAGAAATTTGGTGGCTAGC 540
QY 541 ACCACAGATAGAGCTGAGAGAGAGTCTCAAAGTGTCTTCAATGTTTGAACCTGCTT 600
DB 541 ACCACAGATAGAGCTGAGAGAGAGTCTCAAAGTGTCTTCAATGTTTGAACCTGCTT 600
QY 601 TACTGGAATCTTTTCTACAAAAAGTCAGATGCAATCCTTCAATGAAGTAC 660
DB 601 TACTGGAATCTTTTCTACAAAAAGTCAGATGCAATCCTTCAATGAAGTAC 660
QY 661 GAGAAATTAATGATGTAGTACTCTCAGAGGAGCAGTGAACCAAGATATGTCAT 720
DB 661 GAGAAATTAATGATGTAGTACTCTCAGAGGAGCAGTGAACCAAGATATGTCAT 720
QY 721 TCTGGAGGTCAACCGGAGCTCATGAGTGTGTTGTTGATTTGACCTTCAGAGTGAAGCAGC 780
DB 721 TCTGGAGGTCAACCGGAGCTCATGAGTGTGTTGTTGATTTGACCTTCAGAGTGAAGCAGC 780
QY 781 TGTGTTTCATGAAAATCTGTGAGAGCTTTGGAACCTGAAAAAGGAGGTGAGACCTAG 840
DB 781 TGTGTTTCATGAAAATCTGTGAGAGCTTTGGAACCTGAAAAAGGAGGTGAGACCTAG 840
QY 841 AAGAACAATTTTGTGTCAGAGTGGATGAGAAAGATTTTGTGTTTCTACTGA 900
DB 841 AAGAACAATTTTGTGTCAGAGTGGATGAGAAAGATTTTGTGTTTCTACTGA 900
QY 901 GTGGGAGAGATTAATCAAGTCTTCAAGAGCGTGGCTTATATTAATGCTGA 960
DB 901 GTGGGAGAGATTAATCAAGTCTTCAAGAGCGTGGCTTATATTAATGCTGA 960

DB 901 GTGGGAGAGATTAATCAAGTCTTCAAGAGCGTGGCTTATATTAATGCTGA 960
QY 961 CTCATCTATTAAGAGAACTACACTCTGAGTGTATTTACACCACTGATAGAGCTT 1020
DB 961 CTCATCTATTAAGAGAACTACACTCTGAGTGTATTTACACCACTGATAGAGCTT 1020
QY 1021 GGTATACAACTTAACAAAGAGCTGAAAAGCCCTGATGAGGCTTTGAAGGCAATCTCT 1080
DB 1021 GGTATACAACTTAACAAAGAGCTGAAAAGCCCTGATGAGGCTTTGAAGGCAATCTCT 1080
QY 1081 TTATGAAGTTGACATAAAAAAGTCTTCCAGAGTTCAGTGGCATGCCAGATTAAG 1140
DB 1081 TTATGAAGTTGACATAAAAAAGTCTTCCAGAGTTCAGTGGCATGCCAGATTAAG 1140
QY 1141 CAAATGGAGTCTGAAAATGATTTTGAAGTGTCTTCCAGAGCTTGAATGCTTCAAG 1200
DB 1141 CAAATGGAGTCTGAAAATGATTTTGAAGTGTCTTCCAGAGCTTGAATGCTTCAAG 1200
QY 1201 CAGAGCAGGTATTAATTAATAAATTTGGGAAACAAATTCAGCGCTATCCACTGATCA 1260
DB 1201 CAGAGCAGGTATTAATTAATAAATTTGGGAAACAAATTCAGCGCTATCCACTGATCA 1260
QY 1261 CAGTGTCTATGAACAATATGAGTGTGGAAGAAAGTTTATGATCCAAATGTTAAATATCA 1320
DB 1261 CAGTGTCTATGAACAATATGAGTGTGGAAGAAAGTTTATGATCCAAATGTTAAATATCA 1320
QY 1321 CCTCACTGTGGCCAGGTTCCAGAGGAGGATGATGTTTGGCTAGCCCAATTCATGCTGCT 1380
DB 1321 CCTCACTGTGGCCAGGTTCCAGAGGAGGATGATGTTTGGCTAGCCCAATTCATGCTGCT 1380
QY 1381 CCCTTTGATGTCAGATTAATGCTGTATTTTGAAGAAATGCTGACAAATCTACAA 1440
DB 1381 CCCTTTGATGTCAGATTAATGCTGTATTTTGAAGAAATGCTGACAAATCTACAA 1440
QY 1441 TATTTCTATGAACATCCACAGAAATGAAGACATCACTTATCACTTATCTTCTT 1500
DB 1441 TATTTCTATGAACATCCACAGAAATGAAGACATCACTTATCACTTATCTTCTT 1500
QY 1501 TTCTGAGTAAATTTTACAGAAATGCTTCCAAAGTCCAGAGAGACTCCAGAGCTT 1560
DB 1501 TTCTGAGTAAATTTTACAGAAATGCTTCCAAAGTCCAGAGAGACTCCAGAGCTT 1560
QY 1561 TGACAAAGCAACCCAAATTTGTTAAGATGAATGAATCAACTCATGTTCTGAAAG 1620
DB 1561 TGACAAAGCAACCCAAATTTGTTAAGATGAATGAATCAACTCATGTTCTGAAAG 1620
QY 1621 AGCATTTATGATCCATTAGGGTTACAGACAGACTTTTATAGGCATGTCATATGC 1680
DB 1621 AGCATTTATGATCCATTAGGGTTACAGACAGACTTTTATAGGCATGTCATATGC 1680
QY 1681 TCCAGACGCCAACAAATATGACAGGGAGTCAATCCAGGAATTTATGATGCTCTGTT 1740
DB 1681 TCCAGACGCCAACAAATATGACAGGGAGTCAATCCAGGAATTTATGATGCTCTGTT 1740
QY 1741 TGAATTTGAAGCAAAAGTGAACCTTCCAAAGCTTGGGAGATGTAAGAGACAGATTTTC 1800
DB 1741 TGAATTTGAAGCAAAAGTGAACCTTCCAAAGCTTGGGAGATGTAAGAGACAGATTTTC 1800
QY 1801 TGTGAGGCTTCAACAGTCAAGGAGCTGCAAGACTTTGAGTGAAGTGGCTTAAGAGA 1860
DB 1801 TGTGAGGCTTCAACAGTCAAGGAGCTGCAAGACTTTGAGTGAAGTGGCTTAAGAGA 1860
QY 1861 TTCTTTAGAGACTCTGTATTAATTTGATGATGATCTCAAGAAATTAATTAATGGGTA 1920
DB 1861 TTCTTTAGAGACTCTGTATTAATTTGATGATGATCTCAAGAAATTAATTAATGGGTA 1920
QY 1921 TATTTGATTAATTTTAAATTTGATATTTGAAATTAAGTTGAATATTAATTAATTAATTA 1980
DB 1921 TATTTGATTAATTTTAAATTTGATATTTGAAATTAAGTTGAATATTAATTAATTAATTA 1980
QY 1981 AAAAAAAAAA 1992
DB 1981 AAAAAAAAAA 1992

```

RESULT 2
AAD34009
ID AAD34009 standard; cDNA; 2061 BP.
XX
AC AAD34009;
XX
DT 25-JUL-2002 (first entry)
XX
DE Human gene 4 cDNA.
XX
KM Human; gene 4; N-acetylated-gamma-linked-acidic dipeptidase; NAAALadase;
KM chromosome 11; drug identification; glutamate peptidase modulator;
KM schizophrenia; therapy; gene; ss.
XX
OS Homo sapiens.
XX
FH Key Location/Qualifiers
FT CDS 1..2061
FT /tag=
FT /product= "Human protein having NAAALadase like activity"
FT /note= "CDS does not include start and stop codon"
FT /partial
XX
PN MO200226991-A2.
XX
PD 04-APR-2002.
XX
PF 21-SEP-2001; 2001WO-EP010998.
XX
PR 28-SEP-2000; 2000EP-00308551.
XX
PA (ALKU) AKZO NOBEL NV.
PA (MEDR-) MED RES COUNCIL.
PA (UYED-) UNIV EDINBURGH.
XX
PI Sample CAM, Dunbar DR;
XX
DR WPI; 2002-362499/39.
DR P-PSDB; AAE21450.
XX
PT Polypeptide with NAAALadase (N-acetylated-gamma-linked-acidic dipeptidase)
PT like activity useful for the identification of new drugs, such as
PT glutamate peptidase modulators, which may be used to treat schizophrenia.
XX
PS Claim 2; Page 15; 15pp; English.
XX
XX
XX The present sequence is human gene 4 cDNA which encodes protein having N-
XX acetylated-gamma-linked-acidic dipeptidase (NAAALadase) like activity.
XX CC Gene 4 is located on chromosome 11. The invention relates to human
XX protein having NAAALadase like activity and nucleic acid molecule encoding
XX such protein. Sequences of the invention are used to identify drugs such
XX as glutamate peptidase modulators which may be used to treat
XX schizophrenia
XX
SQ Sequence 2061 BP; 630 A; 391 C; 468 G; 572 T; 0 U; 0 Other;
Query Match 40.7%; Score 810; DB 6; Length 2061;
Best Local Similarity 100.0%; Pred. No. 1.6e-290;
Matches 810; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1043 CTGAAAAGCCCTGATGAGGCTTTGAAGGCAATCTTTATGAAATGGACTAATAAAA 1102
DB 1252 CTGAAAAGCCCTGATGAGGCTTTGAAGGCAATCTTTATGAAATGGACTAATAAAA 1311
QY 1103 AGTCCTTCCCAAGATTCAGTGGCATGCCAGAGTAAGCAAAATGGATCTGAAATGAT 1162
DB 1312 AGTCCTTCCCAAGATTCAGTGGCATGCCAGAGTAAGCAAAATGGATCTGAAATGAT 1371
QY 1163 TTGAGGTGTTCTTCAACGACTTGAATGCTTCAAGCAGACGCGATTAATAAAT 1222
DB 1372 TTGAGGTGTTCTTCAACGACTTGAATGCTTCAAGCAGACGCGATTAATAAAT 1431

```

```

QY 1223 TGGAAAACAACAATTACAGGGCTATCCATGATACAGAGTGTATGAACATATGAG 1282
DB 1432 TGGAAAACAACAATTACAGGGCTATCCATGATACAGAGTGTATGAACATATGAG 1491
QY 1283 TTGGTGAAGAAGTTTATGATCCAAATGTTAAATATCATCTCATGCGCCAGGTTGCA 1342
DB 1492 TTGGTGAAGAAGTTTATGATCCAAATGTTAAATATCATCTCATGCGCCAGGTTGCA 1551
QY 1343 GGAAGGATGAGTGTGTTGAGCTAGCCAAATCCATAGTCTCCCTTTGATGTCAGATTAAT 1402
DB 1552 GGAAGGATGAGTGTGTTGAGCTAGCCAAATCCATAGTCTCCCTTTGATGTCAGATTAAT 1611
QY 1403 GCGTGATGTTTGAAGAAGTATGCTGACAAATATACAAATTTCTATGAAATCCACAG 1462
DB 1612 GCGTGATGTTTGAAGAAGTATGCTGACAAATATACAAATTTCTATGAAATCCACAG 1671
QY 1463 GAATGAAACATATACATGTTATCATTTGATTCACCTTTTCTGACAGTAAATAATTTTACA 1522
DB 1672 GAATGAAACATATACATGTTATCATTTGATTCACCTTTTCTGACAGTAAATAATTTTACA 1731
QY 1523 GAAATGCTTCCAAAGTTCCAGCGAGAGACTCCAGAGACTTTGACAAAGCAACCCAAATATTG 1582
DB 1732 GAAATGCTTCCAAAGTTCCAGCGAGAGACTCCAGAGACTTTGACAAAGCAACCCAAATATTG 1791
QY 1583 TTAAAGATGATGATGATGATCACTCATGTTCTGGAAGAAGACATTTATGATTCATTAGGG 1642
DB 1792 TTAAAGATGATGATGATGATCACTCATGTTCTGGAAGAAGACATTTATGATTCATTAGGG 1851
QY 1643 TTACCAAGACAGACCTTTTATAGCATGATGATGATGATGATGATGATGATGATGATGATGAT 1702
DB 1852 TTACCAAGACAGACCTTTTATAGCATGATGATGATGATGATGATGATGATGATGATGATGAT 1911
QY 1703 GCAAGGAGAGTCAATCCAGGAATTTATGATGCTCTGTTGATGATGATGATGATGATGATGAT 1762
DB 1912 GCAAGGAGAGTCAATCCAGGAATTTATGATGCTCTGTTGATGATGATGATGATGATGATGAT 1971
QY 1763 CTTTCAAGGCTCGGGGAGATGGAAGACAGACATTTCTGTTGACACCTTCAACAGTGCAG 1822
DB 1972 CTTTCAAGGCTCGGGGAGATGGAAGACAGACATTTCTGTTGACACCTTCAACAGTGCAG 2031
QY 1823 GCAGCTGCAGAGACTTTGAGTGAAGTGAAGCC 1852
DB 2032 GCAGCTGCAGAGACTTTGAGTGAAGTGAAGCC 2061

```

```

RESULT 3
AAC78599
ID AAC78599 standard; cDNA; 2558 BP.
XX
AC AAC78599;
XX
DT 08-FEB-2001 (first entry)
XX
DE Human PR0739 nucleotide sequence SEQ ID NO:617.
XX
KM Human; secreted protein; transmembrane protein; PRO; EST; cytosolic;
KW expressed sequence tag; detection; cancer; ss.
XX
OS Homo sapiens.
XX
PN MO200053756-A2.
XX
PD 14-SEP-2000.
XX
PF 18-FEB-2000; 2000WO-US004341.
XX
PR 08-MAR-1999; 99WO-US005028.
PR 12-MAR-1999; 99US-0123957P.
PR 29-MAR-1999; 99US-0126773P.
PR 21-APR-1999; 99US-0130232P.
PR 28-APR-1999; 99US-0131445P.
PR 14-MAY-1999; 99US-0134287P.

```

PR	23-JUN-1999;	99US-0141037P.	
PR	26-JUN-1999;	99US-0145698P.	
PR	29-OCT-1999;	99US-0162506P.	
PR	30-NOV-1999;	99WO-US028313.	
PR	02-DEC-1999;	99WO-US028551.	
PR	16-DEC-1999;	99WO-US028565.	
PR	02-DEC-1999;	99WO-US030095.	
PR	30-DEC-1999;	99WO-US031243.	
PR	05-JAN-2000;	2000WO-US001274.	
PR	06-JAN-2000;	2000WO-US000277.	
PR	06-JAN-2000;	2000WO-US000376.	
XX			
PA	(GETH) GENENTECH INC.		
XX			
PI	Ashkenazi AJ, Baker KP, Botstein D, Desnuyers I, Eaton DL;		
PI	Ferrara N, Filvaroff E, Fong S, Gao W, Gerber H, Gerritsen ME;		
PI	Goddard A, Godowski PJ, Grimaldi CJ, Gurney AL, Hillan KJ;		
PI	Klajavin IJ, Kuo SS, Nappier MA, Pan J, Peoni NF, Roy MA, Shelton DL;		
PI	Stewart TA, Tunas D, Williams PM, Wood WJ;		
XX			
DR	WPI: 2000-611443/58.		
DR	P-PSDB; AAB44334.		
XX			
PT	Novel PRO polypeptides and polynucleotides used in detection methods, to		
PT	target bioactive molecules to specific cells, and to modulate cellular		
PT	activities.		
XX			
PS	Claim 2; Fig 235; 636pp; English.		
XX			
CC	AACT8458 to AACT8559 represent polynucleotide and EST (expressed sequence		
CC	tag) sequences which encode secreted or transmembrane PRO polypeptides.		
CC	The PRO polynucleotides and polypeptides have cytosolic activity. The		
CC	polynucleotides and polypeptides can be used for detecting the presence		
CC	of PRO polypeptides in samples, for linking bioactive molecules to cells		
CC	and for modulating biological activities of cells, using the polypeptides		
CC	for specific targeting. The polypeptide targeting can be used to kill the		
CC	target cells, e.g. for the treatment of cancers. The polypeptide pairs		
CC	provide specific targeting of bioactive molecules to cells. AACT8600 to		
CC	AACT8987 represent PCR primers and probes used in the isolation of the		
CC	PRO polynucleotide sequences		
XX			
SQ	Sequence 2558 BP; 745 A; 509 C; 623 G; 681 T; 0 U; 0 Other;		
Query Match	37.2%; Score 742; DB 3; Length 2558;		
Best Local Similarity	99.3%; Pred. No. 2.5e-265;		
Matches 1142; Conservative	0; Mismatches 8; Indels 0; Gaps 0;		
QY	290 GACCTGCTGACTACTTTGCTCTCGGGGTGAAGTCTTATCCAGAGCTTGGAATCTTCT	349	
DB	871 GACCTGCTGACTACTTTGCTCTCGGGGTGAAGTCTTATCCAGAGCTTGGAATCTTCT	930	
QY	350 GGAGGTGCTGCCAGCGTGGAAATATCTTAAATCGAATGCGAGAGACCTCTCACA	409	
DB	931 GGAGGTGCTGCCAGCGTGGAAATATCTTAAATCGAATGCGAGAGACCTCTCACA	990	
QY	410 CCAAGTTACCCAGCAATGAATCGCTTATAGCATGGAATTCAGAGGCTGTGGTCTT	469	
DB	991 CCAAGTTACCCAGCAATGAATCGCTTATAGCATGGAATTCAGAGGCTGTGGTCTT	1055	
QY	470 CCAAGTATCTCTGTTCAATCCAGTTGGATCTATATATGACAGAGACTCTTAGAAAAATG	529	
DB	1051 CCAAGTATCTCTGTTCAATCCAGTTGGATCTATATATGACAGAGACTCTTAGAAAAATG	1110	
QY	530 GGATGCTCAGACCCAGATATGAGCTGGAGAGAGCTTCAAGTCTTCAAGATATG	589	
DB	1111 GGATGCTCAGACCCAGATATGAGCTGGAGAGAGCTTCAAGTCTTCAAGATATG	1170	
QY	590 GGACCTGCTTACTCTGAAAATTTTCTACACAAAAGTCAAGATCAGATCCACTTACC	649	
DB	1171 GGACCTGCTTACTCTGAAAATTTTCTACACAAAAGTCAAGATCAGATCCACTTACC	1233	
QY	650 AATGAAGTACGAGAAATTTACATGATGATGACTCTCAGAGAGCATGGAACCAAGAC	709	

Dd	1231	AATAAAGTGAACGAAATTTACATGTATAGGTACTTCAGAGGAGACAGTGGAAACGAC	1290
Qy	710	AGATATGTCAATTCGGGAGGTCAACCGGACTCATGGGTGTTGGTATTTGACCTCAG	769
Dd	1291	AGATATGTCAATTCGGGAGGTCAACCGGACTCATGGGTGTTGGTATTTGACCTCAG	1350
Qy	770	AGTGGACACACTGTGTTGTTCAATGAAACCTGTGAGAGCTTTGGAAACACTGAAAAAGGAAGG	829
Dd	1351	AGTGGACACACTGTGTTGTTCAATGAAATGTGAGAGCTTTGGAAACACTGAAAAAGGAAGG	1410
Qy	830	TGAGAGCCTAGAGAACAAATTTGTTTGGCAAGCTGGGATCAGAGAAATTTGGCTCTT	889
Dd	1411	TGAGAGCCTAGAGAACAAATTTGTTTGGCAAGCTGGGATCAGAGAAATTTGGCTCTT	1470
Qy	890	GGTTCCTACTGAGTGGGAGAGGATTAATTCAGAAGCTCTTCAAGAGCGTGGCGTCTTAT	949
Dd	1471	GGTTCCTACTGAGTGGGAGAGGATTAATTCAGAAGCTCTTCAAGAGCGTGGCGTCTTAT	1530
Qy	950	ATTATATGCTGACTCATCTATATGAAAGGAACCTACCTGTGAGAGTTGATTGTACCACTG	1009
Dd	1531	ATTATATGCTGACTCATCTATATGAAAGGAACCTACCTGTGAGAGTTGATTGTACCACTG	1590
Qy	1010	ATGTACAGCTTGGTATCAACCTTAACAAAGAGCGTGAAGGCCCTGATGGAAGCTTTGAA	1069
Dd	1591	ATGTACAGCTTGGTATCAACCTTAACAAAGAGCGTGAAGGCCCTGATGGAAGCTTTGAA	1650
Qy	1070	GGCAAAATCTCTTATATGAAAGTTGGACTTAAAAAAGTCCTTCCCGAGATTCAGTGGCATG	1129
Dd	1651	GGCAAAATCTCTTATATGAAAGTTGGACTTAAAAAAGTCCTTCCCGAGATTCAGTGGCATG	1710
Qy	1130	CCCAAGATTAAGCAAAATTTGGGATCTGGAATGATTTTGAAGTGTCTTCCCAACGACTTGGGA	1189
Dd	1711	CCCAAGATTAAGCAAAATTTGGGATCTGGAATGATTTTGAAGTGTCTTCCCAACGACTTGGGA	1770
Qy	1190	ATTGCTTCAGGACAGACGCGTATACCTAAAAATTTGGGAAACAAACAATTCAGCGGCTAT	1249
Dd	1771	ATTGCTTCAGGACAGACGCGTATACCTAAAAATTTGGGAAACAAACAATTCAGCGGCTAT	1830
Qy	1250	CCACTGTATGACAGTGTCTATGAAACATATGAGTTGGTGGAAAAAGTTTATGATCCATG	1309
Dd	1831	CCACTGTATGACAGTGTCTATGAAACATATGAGTTGGTGGAAAAAGTTTATGATCCATG	1890
Qy	1310	TTTAAATATATCACTCATCTGTGGCCAGGTTCCAGAGAGGATGTGTGTTGAGCTAGCCAAAT	1369
Dd	1891	TTTAAATATATCACTCATCTGTGGCCAGGTTCCAGAGAGGATGTGTGTTGAGCTAGCCAAAT	1950
Qy	1370	TCCATATGTCCTCCCTTTGATTGTGCGAGTTATGCTGTAGTTTAAAGAAAGTATGCTGAC	1429
Dd	1951	TCCATATGTCCTCCCTTTGATTGTGCGAGTTATGCTGTAGTTTAAAGAAAGTATGCTGAC	2010
Qy	1430	AAAATCTTACA 1439	
Dd	2011	AAAATCTTACA 2020	
RESULT 4			
ID	AAS45976	standard; cDNA, 2558 BP.	
AC	AAS45976;		
XX	18-DEC-2001	(first entry)	
DE	Human DNA encoding PRO polypeptide sequence #52.		
XX	PRO polypeptide; mammal; tumour; cancer; human; catle; horse; sheep; ss;		
XX	dog; cat; p19; goat; rabbit; tumour necrosis factor alpha; TNF-alpha;		
XX	blood; chondrocyte cell; cell proliferation; cell differentiation; colon;		
XX	adrenal; lung; breast; prostate; rectum; cervix; liver; genetic disorder;		
XX	PCR primer.		
DS	Homo sapiens		

XX MO200168848-A2.
 PN 20-SEP-2001.
 XX 28-FEB-2001; 2001WO-US006520.
 XX
 PR 01-MAR-2000; 2000WO-US005601.
 PR 02-MAR-2000; 2000WO-US005841.
 PR 03-MAR-2000; 2000US-0187202P.
 PR 06-MAR-2000; 2000US-0186968P.
 PR 14-MAR-2000; 2000US-0189320P.
 PR 14-MAR-2000; 2000US-0189328P.
 PR 15-MAR-2000; 2000WO-US006884.
 PR 21-MAR-2000; 2000US-0190828P.
 PR 21-MAR-2000; 2000US-0191007P.
 PR 21-MAR-2000; 2000US-0191048P.
 PR 21-MAR-2000; 2000US-0191314P.
 PR 28-MAR-2000; 2000US-0192655P.
 PR 29-MAR-2000; 2000US-0193032P.
 PR 29-MAR-2000; 2000US-0193053P.
 PR 30-MAR-2000; 2000WO-US008439.
 PR 04-APR-2000; 2000US-0194449P.
 PR 04-APR-2000; 2000US-0194647P.
 PR 11-APR-2000; 2000US-0195975P.
 PR 11-APR-2000; 2000US-0196000P.
 PR 11-APR-2000; 2000US-0196187P.
 PR 11-APR-2000; 2000US-0196690P.
 PR 11-APR-2000; 2000US-0196820P.
 PR 18-APR-2000; 2000US-0198121P.
 PR 18-APR-2000; 2000US-0198585P.
 PR 25-APR-2000; 2000US-0199397P.
 PR 25-APR-2000; 2000US-0199550P.
 PR 25-APR-2000; 2000US-0199654P.
 PR 03-MAY-2000; 2000US-0201516P.
 PR 17-MAY-2000; 2000WO-US013705.
 PR 12-MAY-2000; 2000WO-US014042.
 PR 30-MAY-2000; 2000WO-US014941.
 PR 02-JUN-2000; 2000WO-US015264.
 PR 05-JUN-2000; 2000US-0209832P.
 PR 28-JUL-2000; 2000WO-US020710.
 PR 22-AUG-2000; 2000US-00644848.
 PR 24-AUG-2000; 2000WO-US023328.
 PR 08-NOV-2000; 2000WO-US030952.
 PR 01-DEC-2000; 2000WO-US032678.
 PR 20-DEC-2000; 2000WO-US034956.
 XX
 PA (GETH) GENENTECH INC.
 XX
 PI Baker KP, Chen J, Desnoyers L, Goddard A, Godowski PJ, Gurney AL,
 PI Pan J, Smith V, Watanabe CK, Wood WI, Zhang Z;
 DR P-PSDB; AAD29075.
 DR
 XX
 PT Novel nucleic acids encoding PRO polypeptides, used to diagnose the
 PT presence of tumors, such as prostate and breast tumors, in mammals and to
 PT screen for modulators of the compounds.
 XX
 XX Claim 2; Fig 103; 774pp; English.
 PS
 XX Sequences AAS45925-AAS46231 represent DNA molecules encoding and PCR
 CC primers for PRO polypeptides of the invention. The sequences of the
 CC invention can be used to detect the presence of a tumour in a mammal by
 CC comparing the level of expression of a PRO polypeptide in a test sample
 CC of cells from the animal and a control sample of normal cells, whereby a
 CC higher level of expression in the test sample indicates the presence of a
 CC tumour in the mammal. Mammals include dogs, cats, cattle, horses, sheep,
 CC pigs, goats and rabbits but are preferably human. The polypeptides can be
 CC used to stimulate tumour necrosis factor (TNF) alpha release from human
 CC blood, when contacted with it. A specific polypeptide can be used to
 CC stimulate the proliferation or differentiation of chondrocyte cells. The
 CC PRO proteins can be used to determine the presence of tumours and also

CC susceptibility to tumour development, particularly adrenal, lung, colon,
 CC breast, prostate, rectal, cervical, or liver tumours, in mammalian
 CC subjects. The oligonucleotide probes specific for the PRO nucleic acids
 CC can be used for genetic analysis of individuals with genetic disorders
 XX
 XX Sequence 2558 BP; 745 A; 509 C; 623 G; 681 T; 0 U; 0 Other;

Query Match 37.2%; Score 742; DB 4; Length 2558;
 Best Local Similarity 99.3%; Pred. No. 2,56-265;
 Matches 1142; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 290 GACCTGCTGACTACTTGTGCTCTGGGGTGAATCCATCCAGACGGTTGGAAATCTTCTT 349
 DB 871 GACCTGCTGACTACTTGTGCTCTGGGGTGAATCCATCCAGACGGTTGGAAATCTTCTT 930
 QY 350 GAGGTGTGTGTCAGCGTGAATAATCTTAAATCTGAATGTGCAGAGACCTCTCACA 409
 DB 931 GAGGTGTGTGTCAGCGTGAATAATCTTAAATCTGAATGTGCAGAGACCTCTCACA 990
 QY 410 CCAGTTATCCAGCAATAATGAATCGCTTATAGCATGGAATTCAGAGGCTGTGGTCTT 469
 DB 991 CCAGTTATCCAGCAATAATGAATCGCTTATAGCATGGAATTCAGAGGCTGTGGTCTT 1050
 QY 470 CCAAGTATTCCTGTCATCCAGTTGATGATGATGACAGAAAGCTCTAGAAAAAATG 529
 DB 1051 CCAAGTATTCCTGTCATCCAGTTGATGATGATGACAGAAAGCTCTAGAAAAAATG 1110
 QY 530 GGTGGCTCAGACACACAGATAGCAGCTGAGAGAAAGTCTCAAGTGTCTCAATGTT 589
 DB 1111 GGTGGCTCAGACACACAGATAGCAGCTGAGAGAAAGTCTCAAGTGTCTCAATGTT 1170
 QY 590 GGAACCTGGCTTATCTGGAATCTTTCTACCAAAAAAGTCAAGTGTCAATCTTACC 649
 DB 1171 GGAACCTGGCTTATCTGGAATCTTTCTACCAAAAAAGTCAAGTGTCAATCTTACC 1230
 QY 650 AATGAAGTACGAGAAATTTAATGTATGATGATGATCTCAGAGAGCAGTGAACAGAC 709
 DB 1231 AATGAAGTACGAGAAATTTAATGTATGATGATGATCTCAGAGAGCAGTGAACAGAC 1290
 QY 710 AGATATGTCAATCTTGGAGAGTCAACGGGACTCAAGGCTGTTGGTATTTGACCTCAG 769
 DB 1291 AGATATGTCAATCTTGGAGAGTCAACGGGACTCAAGGCTGTTGGTATTTGACCTCAG 1350
 QY 770 AGTGAAGCAGCTGTGTTCTATGAATACTGTGAGAGAGCTTTGGAACTGTAAAAAGAGG 829
 DB 1351 AGTGAAGCAGCTGTGTTCTATGAATACTGTGAGAGAGCTTTGGAACTGTAAAAAGAGG 1410
 QY 830 TGGAGACCTAGAAAGCAATTTGTTGCAAGCTGGGATGACAGAAATTTGCTTCTT 889
 DB 1411 TGGAGACCTAGAAAGCAATTTGTTGCAAGCTGGGATGACAGAAATTTGCTTCTT 1470
 QY 890 GGTCTACTAGTGGGAGAGATTAATTCAGACTCTCTTCAAGAGCGTGGCTTAT 949
 DB 1471 GGTCTACTAGTGGGAGAGATTAATTCAGACTCTCTTCAAGAGCGTGGCTTAT 1530
 QY 950 ATTAAATGCTGACTCATCTATAGAGAAACTTACACTCTGAGAGTTGATTACACACTG 1009
 DB 1531 ATTAAATGCTGACTCATCTATAGAGAAACTTACACTCTGAGAGTTGATTACACACTG 1590
 QY 1010 ATGTACAGCTGTGGTATATACAACTTAACAAAGAGCTGAAAGCCCTGATGAGGCTTTGAA 1069
 DB 1591 ATGTACAGCTGTGGTATATACAACTTAACAAAGAGCTGAAAGCCCTGATGAGGCTTTGAA 1650
 QY 1070 GGGCAATCTCTTATGAAAGTTGAGCTAAAGAGTCTTCCAGAGAGTTGAGTGCATG 1129
 DB 1651 GGGCAATCTCTTATGAAAGTTGAGCTAAAGAGTCTTCCAGAGAGTTGAGTGCATG 1710
 QY 1130 CCAGAGATAGCAAAATTTGGATGTGAATGATTTTGAAGTGTCTTCCAGAGCTTTGGA 1189
 DB 1711 CCAGAGATAGCAAAATTTGGATGTGAATGATTTTGAAGTGTCTTCCAGAGCTTTGGA 1770
 QY 1190 ATTGCTTCAGGAGAGACGATTAATAAAATTTGGAAACAAACAAATTCAGGCGCTAT 1249

Db 1771 ATTGCTTCAGCAGACGCGTATCTAATAATTTGGGAAACAACAAATTCAGCGGCTAT 1830
QY 1250 CCACGTATCAGAGTGTCTATGAACATATGAGTTGGTGAAGTTTATGATCCAAATG 1309
Db 1831 CCACGTATCAGAGTGTCTATGAACATATGAGTTGGTGAAGTTTATGATCCAAATG 1890
QY 1310 TTTAAATATCAGCTCCTGTCGCCAGAGTTGAGAGGAGATGGTGTGAGCTAGCCAAAT 1369
Db 1891 TTTAAATATCAGCTCCTGTCGCCAGAGTTGAGAGGAGATGGTGTGAGCTAGCCAAAT 1950
QY 1370 TCCATATGTCCTCCCTTTGATTTGTCAGATTAATGCTGTAGTTTAAAGAAATGCTGAC 1429
Db 1951 TCCATATGTCCTCCCTTTGATTTGTCAGATTAATGCTGTAGTTTAAAGAAATGCTGAC 2010
QY 1430 AAAATCTACA 1439
Db 2011 AAAATCTACA 2020

RESULT 5
ABX78579
ID ABX78579 standard; cDNA; 2558 BP.
XX
AC ABX78579;
XX
DT 15-APR-2003 (first entry)
XX
DE Human PRO polynucleotide #52.
XX
KW Human; PRO; gene; ss; cytosstatic; tumour; cancer; breast; lung; stomach;
KM liver; dog; cat; cow; horse; sheep; pig; goat; rabbit; ADPEPT;
XX antibody-dependent enzyme mediated prodnrg therapy.
XX
OS Homo sapiens.
XX
PN US2003027272-A1.
XX
PD 06-FEB-2003.
XX
PF 21-JUN-2002; 2002US-00176492.
XX
PR 18-SEP-1997; 97US-0059263P.
PR 18-SEP-1997; 97US-0059266P.
PR 17-OCT-1997; 97US-0062250P.
PR 21-OCT-1997; 97US-0063486P.
PR 24-OCT-1997; 97US-0063120P.
PR 24-OCT-1997; 97US-0063121P.
PR 28-OCT-1997; 97US-0063540P.
PR 28-OCT-1997; 97US-0063541P.
PR 28-OCT-1997; 97US-0063544P.
PR 28-OCT-1997; 97US-0063564P.
PR 29-OCT-1997; 97US-0063734P.
PR 31-OCT-1997; 97US-0063870P.
PR 31-OCT-1997; 97US-0064103P.
PR 13-NOV-1997; 97US-0065311P.
PR 24-NOV-1997; 97US-0066120P.
PR 24-NOV-1997; 97US-0066466P.
PR 24-NOV-1997; 97US-0066772P.
PR 11-DEC-1997; 97US-0069335P.
PR 12-DEC-1997; 97US-0069425P.
PR 17-DEC-1997; 97US-0069870P.
PR 18-DEC-1997; 97US-0068017P.
PR 10-MAR-1998; 98US-0077450P.
PR 11-MAR-1998; 98US-0077632P.
PR 11-MAR-1998; 98US-0077649P.
PR 20-MAR-1998; 98US-0078866P.
PR 20-MAR-1998; 98US-0078939P.
PR 27-MAR-1998; 98US-0079664P.
PR 27-MAR-1998; 98US-0079786P.
PR 31-MAR-1998; 98US-0080107P.
PR 31-MAR-1998; 98US-0080194P.
PR 01-APR-1998; 98US-0080327P.
PR 01-APR-1998; 98US-0080333P.

PR 08-APR-1998; 98US-0081049P.
PR 08-APR-1998; 98US-0081070P.
PR 15-APR-1998; 98US-0081195P.
PR 21-APR-1998; 98US-0081838P.
PR 21-APR-1998; 98US-0082568P.
PR 22-APR-1998; 98US-0082569P.
PR 22-APR-1998; 98US-0082704P.
PR 28-APR-1998; 98US-0082797P.
PR 29-APR-1998; 98US-0083322P.
PR 29-APR-1998; 98US-0083495P.
PR 29-APR-1998; 98US-0083496P.
PR 29-APR-1998; 98US-0083499P.
PR 29-APR-1998; 98US-0083559P.
PR 05-MAY-1998; 98US-0084366P.
PR 06-MAY-1998; 98US-0084414P.
PR 07-MAY-1998; 98US-0084639P.
PR 07-MAY-1998; 98US-0084640P.
PR 07-MAY-1998; 98US-0084643P.
PR 15-MAY-1998; 98US-0085579P.
PR 15-MAY-1998; 98US-0085580P.
PR 15-MAY-1998; 98US-0085582P.
PR 15-MAY-1998; 98US-0085700P.
PR 18-MAY-1998; 98US-0086023P.
PR 22-MAY-1998; 98US-0086392P.
PR 22-MAY-1998; 98US-0086486P.
PR 28-MAY-1998; 98US-0087098P.
PR 28-MAY-1998; 98US-0087208P.
PR 02-JUN-1998; 98US-0087609P.
PR 02-JUN-1998; 98US-0087759P.
PR 03-JUN-1998; 98US-0087827P.
PR 04-JUN-1998; 98US-0088025P.
PR 04-JUN-1998; 98US-0088028P.
PR 04-JUN-1998; 98US-0088029P.
PR 04-JUN-1998; 98US-0088033P.
PR 04-JUN-1998; 98US-0088326P.
PR 05-JUN-1998; 98US-0088167P.
PR 05-JUN-1998; 98US-0088202P.
PR 05-JUN-1998; 98US-0088212P.
PR 05-JUN-1998; 98US-0088217P.
PR 09-JUN-1998; 98US-0088655P.
PR 10-JUN-1998; 98US-0088722P.
PR 10-JUN-1998; 98US-0088738P.
PR 10-JUN-1998; 98US-0088740P.
PR 10-JUN-1998; 98US-0088811P.
PR 10-JUN-1998; 98US-0088824P.
PR 10-JUN-1998; 98US-0088825P.
PR 10-JUN-1998; 98US-0088826P.
PR 11-JUN-1998; 98US-0088861P.
PR 11-JUN-1998; 98US-0088863P.
PR 12-JUN-1998; 98US-0088876P.
PR 12-JUN-1998; 98US-0089090P.
PR 12-JUN-1998; 98US-0089105P.
PR 16-JUN-1998; 98US-0089512P.
PR 16-JUN-1998; 98US-0089514P.
PR 17-JUN-1998; 98US-0089538P.
PR 17-JUN-1998; 98US-0089598P.
PR 17-JUN-1998; 98US-0089653P.
PR 18-JUN-1998; 98US-0089908P.
PR 19-JUN-1998; 98US-0089952P.
PR 22-JUN-1998; 98US-0090246P.
PR 22-JUN-1998; 98US-0090252P.
PR 22-JUN-1998; 98US-0090254P.
PR 24-JUN-1998; 98US-0090429P.
PR 24-JUN-1998; 98US-0090435P.
PR 24-JUN-1998; 98US-0090444P.
PR 24-JUN-1998; 98US-0090461P.
PR 24-JUN-1998; 98US-0090535P.
PR 24-JUN-1998; 98US-0090540P.
PR 25-JUN-1998; 98US-0090676P.
PR 25-JUN-1998; 98US-0090678P.
PR 25-JUN-1998; 98US-0090688P.
PR 25-JUN-1998; 98US-0090690P.
PR 25-JUN-1998; 98US-0090694P.

PR	06-OCT-1998;	98US-0103449P.
PR	07-OCT-1998;	98US-00168978.
Query Match	37.2%;	Score 742; Length 2558;
Best Local Similarity	99.3%;	Pred. No. 2.5e-265;
Matches 1142;	Conservative 0;	Mismatches 8; Indels 0; Gaps 0

DB 1831 CCAGTGTATACAGTGTCTATGAACAATAGTGTGGAAAAAGTTTATGATCCAAAG 1890
QY 1310 TTTAATATACACTGCTGCGCCAGTTCGAGGAGGATGAGTGTGAGTACCAAT 1369
DB 1891 TTTAAATATACCTGCTGCGCCAGTTCGAGGAGGAGGATGAGTGTGAGTACCAAT 1950
QY 1370 TCCATAGTGTCCCTTTTGTGATTCGAGATTATGCTGTATTTAAGAAATGCTGAC 1429
DB 1951 TCCATAGTGTCCCTTTTGTGATTCGAGATTATGCTGTATTTAAGAAATGCTGAC 2010
QY 1430 AAAATCTACA 1439
DB 2011 AAAATCTACA 2020
RESULT 6
ID ACA75551 standard; cDNA; 2558 BP.
XX ACA75551;
AC ACA75551;
XX
DT 07-JUL-2003 (first entry)
XX
DE Novel human secreted and transmembrane protein PRO739 cDNA.
XX
KM Human; secreted and transmembrane protein; PRO; gene therapy;
KM tumour necrosis factor-alpha release; TNF-alpha release;
KM chondrocyte proliferation; chondrocyte differentiation; tumour;
KM adrenal tumour; lung tumour; colon tumour; breast tumour;
KM prostate tumour; rectal tumour; cervical tumour; liver tumour; gene; ss.
XX
OS Homo sapiens.
XX
PN US2003032127-A1.
XX
PD 13-FEB-2003.
XX
PF 26-JUN-2002; 2002US-00183012.
XX
PR 18-SEP-1997; 97US-0059263P.
PR 18-SEP-1997; 97US-0059266P.
PR 17-OCT-1997; 97US-0062250P.
PR 21-OCT-1997; 97US-0063486P.
PR 24-OCT-1997; 97US-0063120P.
PR 24-OCT-1997; 97US-0063121P.
PR 28-OCT-1997; 97US-0063540P.
PR 28-OCT-1997; 97US-0063541P.
PR 28-OCT-1997; 97US-0063544P.
PR 28-OCT-1997; 97US-0063564P.
PR 29-OCT-1997; 97US-0063734P.
PR 31-OCT-1997; 97US-0063870P.
PR 31-OCT-1997; 97US-0064103P.
PR 13-NOV-1997; 97US-0065311P.
PR 21-NOV-1997; 97US-0066120P.
PR 24-NOV-1997; 97US-0066466P.
PR 24-NOV-1997; 97US-0066772P.
PR 11-DEC-1997; 97US-0069335P.
PR 12-DEC-1997; 97US-0069425P.
PR 17-DEC-1997; 97US-0069870P.
PR 18-DEC-1997; 97US-0068017P.
PR 10-MAR-1998; 98US-0077450P.
PR 11-MAR-1998; 98US-0077632P.
PR 11-MAR-1998; 98US-0077649P.
PR 20-MAR-1998; 98US-0078886P.
PR 20-MAR-1998; 98US-0078939P.
PR 27-MAR-1998; 98US-0079664P.
PR 27-MAR-1998; 98US-0079786P.
PR 31-MAR-1998; 98US-0080107P.
PR 31-MAR-1998; 98US-0080194P.
PR 01-APR-1998; 98US-0080327P.
PR 01-APR-1998; 98US-0080333P.
PR 08-APR-1998; 98US-0081049P.
PR 08-APR-1998; 98US-0081070P.

PR 09-APR-1998; 98US-0081195P.
PR 15-APR-1998; 98US-0081838P.
PR 21-APR-1998; 98US-0082568P.
PR 21-APR-1998; 98US-0082569P.
PR 22-APR-1998; 98US-0082704P.
PR 22-APR-1998; 98US-0082797P.
PR 28-APR-1998; 98US-0083322P.
PR 28-APR-1998; 98US-0083495P.
PR 29-APR-1998; 98US-0083496P.
PR 29-APR-1998; 98US-0083499P.
PR 29-APR-1998; 98US-0083559P.
PR 05-MAY-1998; 98US-0084366P.
PR 06-MAY-1998; 98US-0084414P.
PR 07-MAY-1998; 98US-0084639P.
PR 07-MAY-1998; 98US-0084640P.
PR 07-MAY-1998; 98US-0084643P.
PR 15-MAY-1998; 98US-0085579P.
PR 15-MAY-1998; 98US-0085580P.
PR 15-MAY-1998; 98US-0085582P.
PR 15-MAY-1998; 98US-0085700P.
PR 18-MAY-1998; 98US-0086023P.
PR 22-MAY-1998; 98US-0086392P.
PR 22-MAY-1998; 98US-0086486P.
PR 28-MAY-1998; 98US-0087098P.
PR 28-MAY-1998; 98US-0087208P.
PR 02-JUN-1998; 98US-0087609P.
PR 02-JUN-1998; 98US-0087759P.
PR 03-JUN-1998; 98US-0088025P.
PR 04-JUN-1998; 98US-0088025P.
PR 04-JUN-1998; 98US-0088028P.
PR 04-JUN-1998; 98US-0088029P.
PR 04-JUN-1998; 98US-0088033P.
PR 04-JUN-1998; 98US-0088167P.
PR 05-JUN-1998; 98US-0088202P.
PR 05-JUN-1998; 98US-0088212P.
PR 05-JUN-1998; 98US-0088217P.
PR 09-JUN-1998; 98US-0088655P.
PR 10-JUN-1998; 98US-0088722P.
PR 10-JUN-1998; 98US-0088738P.
PR 10-JUN-1998; 98US-0088740P.
PR 10-JUN-1998; 98US-0088811P.
PR 10-JUN-1998; 98US-0088824P.
PR 10-JUN-1998; 98US-0088825P.
PR 10-JUN-1998; 98US-0088826P.
PR 11-JUN-1998; 98US-0088861P.
PR 11-JUN-1998; 98US-0088863P.
PR 11-JUN-1998; 98US-0088876P.
PR 12-JUN-1998; 98US-0089090P.
PR 12-JUN-1998; 98US-0089105P.
PR 16-JUN-1998; 98US-0089512P.
PR 16-JUN-1998; 98US-0089514P.
PR 17-JUN-1998; 98US-0089538P.
PR 17-JUN-1998; 98US-0089598P.
PR 17-JUN-1998; 98US-0089653P.
PR 17-JUN-1998; 98US-0089908P.
PR 18-JUN-1998; 98US-0089952P.
PR 19-JUN-1998; 98US-0090246P.
PR 22-JUN-1998; 98US-0090252P.
PR 22-JUN-1998; 98US-0090254P.
PR 22-JUN-1998; 98US-0090429P.
PR 24-JUN-1998; 98US-0090435P.
PR 24-JUN-1998; 98US-0090444P.
PR 24-JUN-1998; 98US-0090461P.
PR 24-JUN-1998; 98US-0090535P.
PR 24-JUN-1998; 98US-0090540P.
PR 25-JUN-1998; 98US-0090676P.
PR 25-JUN-1998; 98US-0090678P.
PR 25-JUN-1998; 98US-0090688P.
PR 25-JUN-1998; 98US-0090690P.
PR 25-JUN-1998; 98US-0090694P.
PR 25-JUN-1998; 98US-0090695P.
PR 25-JUN-1998; 98US-0090696P.

PR 26-JUN-1998; 98US-00105413.
PR 26-JUN-1998; 98US-0090862P.
PR 26-JUN-1998; 98US-0090863P.
PR 26-JUN-1998; 98US-0091010P.
PR 01-JUL-1998; 98US-0091359P.
PR 01-JUL-1998; 98US-0091544P.
PR 02-JUL-1998; 98US-0091478P.
PR 02-JUL-1998; 98US-0091466P.
PR 02-JUL-1998; 98US-0091628P.
PR 02-JUL-1998; 98US-0091628P.
PR 02-JUL-1998; 98US-0091632P.
PR 04-JUL-1998; 98US-0094006P.
PR 04-AUG-1998; 98US-0095282P.
PR 10-AUG-1998; 98US-0095998P.
PR 10-AUG-1998; 98US-0096012P.
PR 17-AUG-1998; 98US-0096757P.
PR 17-AUG-1998; 98US-0096766P.
PR 17-AUG-1998; 98US-0096867P.
PR 17-AUG-1998; 98US-0096891P.
PR 17-AUG-1998; 98US-0096897P.
PR 18-AUG-1998; 98US-0096949P.
PR 18-AUG-1998; 98US-0096959P.
PR 18-AUG-1998; 98US-0097022P.
PR 26-AUG-1998; 98US-0097952P.
PR 26-AUG-1998; 98US-0097954P.
PR 26-AUG-1998; 98US-0097955P.
PR 26-AUG-1998; 98US-0097971P.
PR 26-AUG-1998; 98US-0097974P.
PR 26-AUG-1998; 98US-0098014P.
PR 01-SEP-1998; 98US-0098716P.
PR 01-SEP-1998; 98US-0098723P.
PR 02-SEP-1998; 98US-0098803P.
PR 02-SEP-1998; 98US-0098821P.
PR 02-SEP-1998; 98US-0098843P.
PR 03-SEP-1998; 98US-0099602P.
PR 10-SEP-1998; 98US-0099741P.
PR 10-SEP-1998; 98US-0099754P.
PR 10-SEP-1998; 98US-0099763P.
PR 10-SEP-1998; 98US-0099812P.
PR 15-SEP-1998; 98US-0100388P.
PR 15-SEP-1998; 98US-0100662P.
PR 16-SEP-1998; 98US-0100664P.
PR 16-SEP-1998; 98US-0101751P.
PR 16-SEP-1998; 98US-01019330.
PR 17-SEP-1998; 98US-0100683P.
PR 17-SEP-1998; 98US-0100684P.
PR 17-SEP-1998; 98US-0100919P.
PR 17-SEP-1998; 98US-0100930P.
PR 18-SEP-1998; 98US-0100849P.
PR 18-SEP-1998; 98US-0101014P.
PR 18-SEP-1998; 98US-0101068P.
PR 23-SEP-1998; 98US-0101471P.
PR 23-SEP-1998; 98US-0101472P.
PR 23-SEP-1998; 98US-0101475P.
PR 23-SEP-1998; 98US-0101477P.
PR 24-SEP-1998; 98US-0101738P.
PR 24-SEP-1998; 98US-0101739P.
PR 24-SEP-1998; 98US-0101743P.
PR 24-SEP-1998; 98US-0101922P.
PR 25-SEP-1998; 98US-0101786P.
PR 25-SEP-1998; 98US-0102207P.
PR 29-SEP-1998; 98US-0102240P.
PR 29-SEP-1998; 98US-0102310P.
PR 29-SEP-1998; 98US-0102311P.
PR 30-SEP-1998; 98US-0102487P.
PR 30-SEP-1998; 98US-0102570P.
PR 30-SEP-1998; 98US-0102571P.
PR 01-OCT-1998; 98US-0102684P.
PR 01-OCT-1998; 98US-0102687P.
PR 02-OCT-1998; 98US-0102965P.
PR 06-OCT-1998; 98US-0103258P.

Query Match

37.2%; Score 742; DB 7; Length 2558;

Best Local Similarity 99.3%; Pred. No. 2,5e-265;
Matches 1142; Conservative 0; Mismatches 8; Indels 0; Gaps 0;
QY 390 GACCTGCTACTACTTTCCTCTGGGGTGAAGTCTATCCAGCGGTGGATCTTCT 349
Db 871 GACCTGCTACTACTTTCCTCTGGGGTGAAGTCTATCCAGCGGTGGATCTTCT 930
QY 350 GGAGGTGTGTCCAGCGGTGGAAATATCTGAATGTGTGAAGAGACCTCTACA 409
Db 931 GGAGGTGTGTCCAGCGGTGGAAATATCTGAATGTGTGAAGAGACCTCTACA 990
QY 410 CCAGTTACCCAGCAATGATAGCTTTATAGCATGATGATGAGAGGCTGTGCTT 469
Db 991 CCAGTTACCCAGCAATGATAGCTTTATAGCGGTGAATTTGAGAGGCTGTGCTT 1050
QY 470 CCAAGTATTCCTGTTCATCCAGTTGATATGATGACAGAGCTCTAGAAAAATG 529
Db 1051 CCAAGTATTCCTGTTCATCCAGTTGATATGATGACAGAGCTCTAGAAAAATG 1110
QY 530 GGTGGCTCAGACACACCATGATAGCAGTGGAGAGAACTCAAGTGTCTCAATGT 589
Db 1111 GGTGGCTCAGACACACCATGATAGCAGTGGAGAGAACTCAAGTGTCTCAATGT 1170
QY 590 GGAAGTGGCTTTACTGGAACCTTTCTACACAAAAGTCAAGATGACATCCACTACC 649
Db 1171 GGAAGTGGCTTTACTGGAACCTTTCTACACAAAAGTCAAGATGACATCCACTACC 1230
QY 650 AATGAAGTACGAGAAATTTCAATGTGATAGTACTCTCAGAGAGCAGTGAACAGAC 709
Db 1231 AATGAAGTACGAGAAATTTCAATGTGATAGTACTCTCAGAGAGCAGTGAACAGAC 1290
QY 710 AGATATGTCAATTCGGAGGTCAACCGGACTCATGGGTGTTTGTGTATGACCTCAG 769
Db 1291 AGATATGTCAATTCGGAGGTCAACCGGACTCATGGGTGTTTGTGTATGACCTCAG 1350
QY 770 AGTGAAGCAGCTGTGTTCTATGAAACTGTGAGAGCTTTGAAACATGAAAAAGAGGG 829
Db 1351 AGTGAAGCAGCTGTGTTCTATGAAACTGTGAGAGCTTTGAAACATGAAAAAGAGGG 1410
QY 830 TGAAGACTGAGAAACAATTTTGTTCAGAGTGGATGACAGAAATTTGTCCTT 889
Db 1411 TGAAGACTGAGAAACAATTTTGTTCAGAGTGGATGACAGAAATTTGTCCTT 1470
QY 890 GGTTCATGAGTGGGCAAGGATATTTCAAGCTCTTCAAGGCTGGCTGTAT 949
Db 1471 GGTTCATGAGTGGGCAAGGATATTTCAAGCTCTTCAAGGCTGGCTGTAT 1530
QY 950 ATTAATGCTGACTCATCTATAGAAAGAACTACACTCTGAGAGTTGTATGACCACTG 1009
Db 1531 ATTAATGCTGACTCATCTATAGAAAGAACTACACTCTGAGAGTTGTATGACCACTG 1590
QY 1010 ATGTACAGCTTGGTATACAACTTACAAAAAGCTGAAAAGCCCTGATGAAAGCTTGA 1069
Db 1591 ATGTACAGCTTGGTATACAACTTACAAAAAGCTGAAAAGCCCTGATGAAAGCTTGA 1550
QY 1070 GGCAAATCTTTATGAAAGTTGACTTAAAAAAGTCTTCCCAAGTCACTGGCATG 1129
Db 1651 GGCAAATCTTTATGAAAGTTGACTTAAAAAAGTCTTCCCAAGTCACTGGCATG 1710
QY 1130 CCAGAGTAAAGCAATTTGGATGGAATGATTTTGAAGTGTCTTCCAGAGCTTGA 1189
Db 1711 CCAGAGTAAAGCAATTTGGATGGAATGATTTTGAAGTGTCTTCCAGAGCTTGA 1770
QY 1190 ATTGCTTCAAGCAGACCGTATACTAAATTTGGAAAACAAATTCAGCGGTAT 1249
Db 1771 ATTGCTTCAAGCAGACCGTATACTAAATTTGGAAAACAAATTCAGCGGTAT 1830
QY 1250 CCACTATATCAAGTGTCTATGAAACATATGATGATGATGATGATGATGATGATGAT 1309
Db 1831 CCACTATATCAAGTGTCTATGAAACATATGATGATGATGATGATGATGATGATGAT 1890
QY 1310 TTTAAATATCACTGCTGAGCCAGGTTGAGAGAGATGGTGTGATGATGATGATGAT 1369

DB 1891 TTTAATATCACTCACTGTGCCAGGTTTCGAGAGGAGTGCTGTTTGAAGTACCAAT 1950
QY 1370 TCCATGATGCTGCTTGTATGTGCGAGATTAGTGTAGTAAAGTATGCTGAC 1429
DB 1951 TCCATGATGCTGCTTGTATGTGCGAGATTAGTGTAGTAAAGTATGCTGAC 2010
QY 1430 AAAATCTACA 1439
DB 2011 AAAATCTACA 2020
RESULT 7
ACA71031
ID ACA71031 standard; cDNA; 2558 BP.
XX ACA71031,
AC ACA71031,
XX
XX
DT 02-AUG-2003 (first entry)
XX
DE Human secreted/transmembrane protein (PRO) cDNA #52.
XX
XX Human; gene; ss; secreted and transmembrane protein; PRO; TNF-alpha;
KW tumour necrosis factor alpha; chondrocyte cell; tumour; gene therapy;
KW tissue typing.
XX
XX Homo sapiens.
PN US2003032112-A1.
XX
PD 13-FEB-2003.
XX
PF 21-JUN-2002; 2002US-00176756.
XX
XX 18-SEP-1997; 97US-0059263P.
PR 18-SEP-1997; 97US-0059266P.
PR 17-OCT-1997; 97US-0062250P.
PR 21-OCT-1997; 97US-0063486P.
PR 24-OCT-1997; 97US-0063120P.
PR 24-OCT-1997; 97US-0063121P.
PR 28-OCT-1997; 97US-0063540P.
PR 28-OCT-1997; 97US-0063541P.
PR 28-OCT-1997; 97US-0063544P.
PR 28-OCT-1997; 97US-0063564P.
PR 29-OCT-1997; 97US-0063734P.
PR 31-OCT-1997; 97US-0063870P.
PR 31-OCT-1997; 97US-0064103P.
PR 13-NOV-1997; 97US-0065311P.
PR 21-NOV-1997; 97US-0066120P.
PR 24-NOV-1997; 97US-0066466P.
PR 11-DEC-1997; 97US-0069335P.
PR 17-DEC-1997; 97US-0069425P.
PR 17-DEC-1997; 97US-0069870P.
PR 18-DEC-1997; 97US-0068017P.
PR 10-MAR-1998; 98US-0077450P.
PR 11-MAR-1998; 98US-0077632P.
PR 20-MAR-1998; 98US-0078866P.
PR 20-MAR-1998; 98US-0078939P.
PR 27-MAR-1998; 98US-0079664P.
PR 27-MAR-1998; 98US-0079786P.
PR 31-MAR-1998; 98US-0080107P.
PR 31-MAR-1998; 98US-0080194P.
PR 01-APR-1998; 98US-0080327P.
PR 01-APR-1998; 98US-0080333P.
PR 08-APR-1998; 98US-0081049P.
PR 08-APR-1998; 98US-0081070P.
PR 09-APR-1998; 98US-0081195P.
PR 15-APR-1998; 98US-0081838P.
PR 21-APR-1998; 98US-0082568P.
PR 21-APR-1998; 98US-0082569P.
PR 22-APR-1998; 98US-0082704P.
PR 22-APR-1998; 98US-0082797P.

PR 28-APR-1998; 98US-0083122P.
PR 29-APR-1998; 98US-0083495P.
PR 29-APR-1998; 98US-0083496P.
PR 29-APR-1998; 98US-0083499P.
PR 29-APR-1998; 98US-0083559P.
PR 05-MAY-1998; 98US-0084366P.
PR 06-MAY-1998; 98US-0084414P.
PR 07-MAY-1998; 98US-0084639P.
PR 07-MAY-1998; 98US-0084640P.
PR 07-MAY-1998; 98US-0084643P.
PR 15-MAY-1998; 98US-0085799P.
PR 15-MAY-1998; 98US-0085800P.
PR 15-MAY-1998; 98US-0085802P.
PR 15-MAY-1998; 98US-0085700P.
PR 18-MAY-1998; 98US-0086023P.
PR 22-MAY-1998; 98US-0086392P.
PR 22-MAY-1998; 98US-0086463P.
PR 28-MAY-1998; 98US-0086466P.
PR 28-MAY-1998; 98US-0087098P.
PR 28-MAY-1998; 98US-0087208P.
PR 02-JUN-1998; 98US-0087609P.
PR 02-JUN-1998; 98US-0087759P.
PR 03-JUN-1998; 98US-0087827P.
PR 04-JUN-1998; 98US-0088025P.
PR 04-JUN-1998; 98US-0088028P.
PR 04-JUN-1998; 98US-0088029P.
PR 04-JUN-1998; 98US-0088033P.
PR 04-JUN-1998; 98US-0088036P.
PR 05-JUN-1998; 98US-0088167P.
PR 05-JUN-1998; 98US-0088202P.
PR 05-JUN-1998; 98US-0088122P.
PR 05-JUN-1998; 98US-0088217P.
PR 09-JUN-1998; 98US-0088655P.
PR 10-JUN-1998; 98US-0088722P.
PR 10-JUN-1998; 98US-0088738P.
PR 10-JUN-1998; 98US-0088740P.
PR 10-JUN-1998; 98US-0088811P.
PR 10-JUN-1998; 98US-0088824P.
PR 10-JUN-1998; 98US-0088825P.
PR 10-JUN-1998; 98US-0088826P.
PR 11-JUN-1998; 98US-0088861P.
PR 11-JUN-1998; 98US-0088863P.
PR 11-JUN-1998; 98US-0088876P.
PR 12-JUN-1998; 98US-0089090P.
PR 12-JUN-1998; 98US-0089105P.
PR 16-JUN-1998; 98US-0089512P.
PR 16-JUN-1998; 98US-0089514P.
PR 17-JUN-1998; 98US-0089538P.
PR 17-JUN-1998; 98US-0089598P.
PR 17-JUN-1998; 98US-0089653P.
PR 18-JUN-1998; 98US-0089908P.
PR 19-JUN-1998; 98US-0089952P.
PR 22-JUN-1998; 98US-0090246P.
PR 22-JUN-1998; 98US-0090252P.
PR 22-JUN-1998; 98US-0090254P.
PR 22-JUN-1998; 98US-0090259P.
PR 24-JUN-1998; 98US-0090435P.
PR 24-JUN-1998; 98US-0090444P.
PR 24-JUN-1998; 98US-0090461P.
PR 24-JUN-1998; 98US-0090535P.
PR 24-JUN-1998; 98US-0090540P.
PR 24-JUN-1998; 98US-0090546P.
PR 25-JUN-1998; 98US-0090678P.
PR 25-JUN-1998; 98US-0090688P.
PR 25-JUN-1998; 98US-0090690P.
PR 25-JUN-1998; 98US-0090694P.
PR 25-JUN-1998; 98US-0090695P.
PR 25-JUN-1998; 98US-0090696P.
PR 25-JUN-1998; 98US-00105413.
PR 26-JUN-1998; 98US-0090862P.
PR 26-JUN-1998; 98US-0090863P.
PR 26-JUN-1998; 98US-0091010P.
PR 01-JUL-1998; 98US-009159P.
PR 01-JUL-1998; 98US-0091544P.

PR 02-JUL-1998; 98US-0091478P.
 PR 02-JUL-1998; 98US-0091486P.
 PR 02-JUL-1998; 98US-0091626P.
 PR 02-JUL-1998; 98US-0091628P.
 PR 02-JUL-1998; 98US-0091632P.
 PR 02-JUL-1998; 98US-0091638P.
 PR 04-AUG-1998; 98US-0095282P.
 PR 10-AUG-1998; 98US-0095989P.
 PR 10-AUG-1998; 98US-0096012P.
 PR 17-AUG-1998; 98US-0096757P.
 PR 17-AUG-1998; 98US-0096766P.
 PR 17-AUG-1998; 98US-0096867P.
 PR 17-AUG-1998; 98US-0096891P.
 PR 17-AUG-1998; 98US-0096897P.
 PR 18-AUG-1998; 98US-0096949P.
 PR 18-AUG-1998; 98US-0096959P.
 PR 18-AUG-1998; 98US-0097022P.
 PR 26-AUG-1998; 98US-0097952P.
 PR 26-AUG-1998; 98US-0097954P.
 PR 26-AUG-1998; 98US-0097955P.
 PR 26-AUG-1998; 98US-0097971P.
 PR 26-AUG-1998; 98US-0097974P.
 PR 26-AUG-1998; 98US-0098014P.
 PR 01-SEP-1998; 98US-0098716P.
 PR 01-SEP-1998; 98US-0098723P.
 PR 02-SEP-1998; 98US-0098803P.
 PR 02-SEP-1998; 98US-0098821P.
 PR 02-SEP-1998; 98US-0098843P.
 PR 09-SEP-1998; 98US-0099602P.
 PR 10-SEP-1998; 98US-0099741P.
 PR 10-SEP-1998; 98US-0099754P.
 PR 10-SEP-1998; 98US-0099763P.
 PR 10-SEP-1998; 98US-0099812P.
 PR 15-SEP-1998; 98US-0100388P.
 PR 16-SEP-1998; 98US-0100622P.
 PR 16-SEP-1998; 98US-0100664P.
 PR 16-SEP-1998; 98US-0101751P.
 PR 16-SEP-1998; 98US-0101751P.
 PR 17-SEP-1998; 98US-0100683P.
 PR 17-SEP-1998; 98US-0100684P.
 PR 17-SEP-1998; 98US-0100919P.
 PR 17-SEP-1998; 98US-0100930P.
 PR 18-SEP-1998; 98US-0100849P.
 PR 18-SEP-1998; 98US-0101014P.
 PR 18-SEP-1998; 98US-0101068P.
 PR 23-SEP-1998; 98US-0101472P.
 PR 23-SEP-1998; 98US-0101475P.
 PR 23-SEP-1998; 98US-0101477P.
 PR 24-SEP-1998; 98US-0101738P.
 PR 24-SEP-1998; 98US-0101739P.
 PR 24-SEP-1998; 98US-0101743P.
 PR 24-SEP-1998; 98US-0101922P.
 PR 25-SEP-1998; 98US-0101786P.
 PR 29-SEP-1998; 98US-0102207P.
 PR 29-SEP-1998; 98US-0102240P.
 PR 29-SEP-1998; 98US-0102330P.
 PR 29-SEP-1998; 98US-0102331P.
 PR 30-SEP-1998; 98US-0102487P.
 PR 30-SEP-1998; 98US-0102570P.
 PR 30-SEP-1998; 98US-0102571P.
 PR 01-OCT-1998; 98US-0102684P.
 PR 01-OCT-1998; 98US-0102687P.
 PR 02-OCT-1998; 98US-0102955P.
 PR 06-OCT-1998; 98US-0103258P.
 PR 06-OCT-1998; 98US-0103449P.
 PR 07-OCT-1998; 98US-00168978.

Query Match 37.2%; Score 742; DB 7; Length 2558;

Best Local Similarity 99.3%; Pred. No. 2.5e-265; Mismatches 8; Indels 0; Gaps 0;

Matches 1142; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

290 GACCTGCTGACTACTTGTGCTCTGGGGTGAAGTCTTATCCAGACGGTTGGAATCTTCT 349

DB 871 GACCTGCTGACTACTTGTGCTCTGGGGTGAAGTCTTATCCAGACGGTTGGAATCTTCT 930
 1350 GAGGTGTGTCCAGCGTGAATAATCTTAATCTGAATGTGAGAGACCTTGCACA 409
 931 GAGGTGTGTCCAGCGTGAATAATCTTAATCTGAATGTGAGAGACCTTGCACA 990
 410 CCAGTTACCCAGAAATGAATACGCTTAATGCAATGAATTTGAGAGCGTGTGTCTT 469
 991 CCAGTTACCCAGAAATGAATATGCTTAATGAGGAGTGAATTTGAGAGCGTGTGTCTT 1050
 470 CCAAGTATCTCTGTTTCATCCAGTTGATACATATGATCAGAGAGCTCTAGAAAAATG 529
 1051 CCAAGTATCTCTGTTTCATCCAGTTGATACATATGATCAGAGAGCTCTAGAAAAATG 1110
 530 GGTGTCTAGACCAACCAAGATAGACGTGAGAGAAATCTCAAGTGTCTCAATGTT 589
 1111 GGTGTCTAGACCAACCAAGATAGACGTGAGAGAAATCTCAAGTGTCTCAATGTT 1170
 590 GACCTGCTGTTTACTGAAAATTTTCTTACCAAAAAAGTCAAGTGTCTCAATGTT 649
 1171 GACCTGCTGTTTACTGAAAATTTTCTTACCAAAAAAGTCAAGTGTCTCAATGTT 1230
 650 AATGAGTGACGAGAAATTTTCAATGTATGATCTCTCAGAGAGAGTGAACCAAC 709
 1231 AATGAGTGACGAGAAATTTTCAATGTATGATCTCTCAGAGAGAGTGAACCAAC 1290
 710 AGATATGTCAATTTGTGAGAGTCAACCGGACTATGAGTGTGTGTATTTAGCCCTCAG 769
 1291 AGATATGTCAATTTGTGAGAGTCAACCGGACTATGAGTGTGTGTATTTAGCCCTCAG 1350
 770 AGTGAAGCAGCTGTGTGTCAATGTATGAGAGAGTGTGTGAACCTGAAAAAGAGGG 829
 1351 AGTGAAGCAGCTGTGTGTCAATGTATGAGAGAGTGTGTGAACCTGAAAAAGAGGG 1410
 830 TGAAGACCTAGAGAAATTTTGTTCAGAGTGGATCAGAGAAATTTGTCTTCTT 889
 1411 TGAAGACCTAGAGAAATTTTGTTCAGAGTGGATCAGAGAAATTTGTCTTCTT 1470
 890 GGTTCATCTGAGTGGGAGAGATTAATTCAGACTCTTCCAGAGCGTGGCTTAT 949
 1471 GGTTCATCTGAGTGGGAGAGATTAATTCAGACTCTTCCAGAGCGTGGCTTAT 1530
 950 ATTAATGCTGACCTATCTATGAGAGAACTAAGCTGAGATTTGATTTATACCACTG 1009
 1531 ATTAATGCTGACCTATCTATGAGAGAACTAAGCTGAGATTTGATTTATACCACTG 1590
 1010 ATGTAAGCTTGTGTATACAACTTAACAAAAGAGCTGAAAAAGCTTGTGA 1069
 1591 ATGTAAGCTTGTGTATACAACTTAACAAAAGAGCTGAAAAAGCTTGTGA 1650
 1070 GGGAAATCTCTTATGAGAAAGTTGACTAAAAAAGTCTTCCAGAGTTCAGTGGCATG 1129
 1651 GGGAAATCTCTTATGAGAAAGTTGACTAAAAAAGTCTTCCAGAGTTCAGTGGCATG 1710
 1130 CCAGAGTATAGCAATTTGGATTTGGAATGATTTTGAAGTGTCTTCCAGAGTTCGA 1189
 1711 CCAGAGTATAGCAATTTGGATTTGGAATGATTTTGAAGTGTCTTCCAGAGTTCGA 1770
 1190 ATTGCTTACAGGACGAGACGCTTATCTAAATAATTTGGAAAAAACAATAATCAGCGCTAT 1249
 1771 ATTGCTTACAGGACGAGACGCTTATCTAAATAATTTGGAAAAAACAATAATCAGCGCTAT 1830
 1250 CCACTGTATACAGTGTCTATGAGAAATATGATGATGAGTGTGAAAAAGTTTATATCAATG 1309
 1831 CCACTGTATACAGTGTCTATGAGAAATATGATGATGAGTGTGAAAAAGTTTATATCAATG 1890
 1310 TTATAATATACCTCATCTGTGCGCCAGGTTCAGAGAGAGATGCTGTTTGAAGTATGCAAT 1369
 1891 TTATAATATACCTCATCTGTGCGCCAGGTTCAGAGAGAGATGCTGTTTGAAGTATGCAAT 1950
 1370 TCCATATGCTCCTCTTTGATTTGATGTCAGAGATTTGCTGTATTTTGAAGATATGCTGAC 1429

DB 1951 TCCATAGTCTCCCTTTGATTGTCGAGATTATGCTGTAAGAAAGTATGCTGAC 2010
OY 1430 AAAATCTACA 1439
DB 2011 AAAATCTACA 2020
RESULT 8
ACC87559
ID ACC87559 standard; cDNA; 2558 BP.
AC ACC87559;
XX
XX 05-AUG-2003 (first entry)
DE Human secreted polypeptide PRO739-encoding cDNA, SEQ ID NO:103.
XX
XX Human; PRO; secreted protein; transmembrane protein;
XX extracellular domain; tumour necrosis factor-alpha; TNF-alpha;
XX chondrocyte; proliferation; differentiation; cartilage disorder;
XX bone disorder; arthritis; sports injury; cancer; tumour; diagnosis;
XX adrenal tumour; lung; colon; breast; prostate; kidney; rectum; cervix;
XX liver; drug screening; transgenic animal; genetic analysis;
XX antithetic; vulnerary; gene therapy; gene; ss.
XX
XX Homo sapiens.
XX
XX US2003027278-A1.
XX
XX 06-FEB-2003.
XX
XX 21-JUN-2002; 2002US-00176987.
XX
XX 18-SEP-1997; 97US-0059263P.
XX 18-SEP-1997; 97US-0059263P.
XX 17-OCT-1997; 97US-0062250P.
XX 21-OCT-1997; 97US-0063486P.
XX 24-OCT-1997; 97US-0063120P.
XX 24-OCT-1997; 97US-0063121P.
XX 28-OCT-1997; 97US-0063540P.
XX 28-OCT-1997; 97US-0063541P.
XX 28-OCT-1997; 97US-0063544P.
XX 28-OCT-1997; 97US-0063544P.
XX 28-OCT-1997; 97US-0063564P.
XX 28-OCT-1997; 97US-0063734P.
XX 29-OCT-1997; 97US-0063870P.
XX 31-OCT-1997; 97US-0064103P.
XX 31-OCT-1997; 97US-0065311P.
XX 21-NOV-1997; 97US-0066120P.
XX 21-NOV-1997; 97US-0066466P.
XX 24-NOV-1997; 97US-0066772P.
XX 11-DEC-1997; 97US-0069335P.
XX 12-DEC-1997; 97US-0069425P.
XX 17-DEC-1997; 97US-0069870P.
XX 18-DEC-1997; 97US-0068017P.
XX 10-MAR-1998; 98US-0077450P.
XX 11-MAR-1998; 98US-0077649P.
XX 11-MAR-1998; 98US-0077649P.
XX 20-MAR-1998; 98US-0078866P.
XX 20-MAR-1998; 98US-0078939P.
XX 27-MAR-1998; 98US-0079664P.
XX 27-MAR-1998; 98US-0079786P.
XX 31-MAR-1998; 98US-0080107P.
XX 31-MAR-1998; 98US-0080194P.
XX 01-APR-1998; 98US-0080327P.
XX 01-APR-1998; 98US-0080333P.
XX 08-APR-1998; 98US-0081049P.
XX 08-APR-1998; 98US-0081070P.
XX 09-APR-1998; 98US-0081195P.
XX 15-APR-1998; 98US-0081838P.
XX 21-APR-1998; 98US-0082568P.
XX 21-APR-1998; 98US-0082569P.
XX 22-APR-1998; 98US-0082704P.
XX 22-APR-1998; 98US-0082797P.

PR 28-APR-1998; 98US-0083322P.
PR 29-APR-1998; 98US-0083495P.
PR 29-APR-1998; 98US-0083496P.
PR 29-APR-1998; 98US-0083499P.
PR 29-APR-1998; 98US-0083559P.
PR 05-MAY-1998; 98US-0084366P.
PR 06-MAY-1998; 98US-0084414P.
PR 07-MAY-1998; 98US-0084639P.
PR 07-MAY-1998; 98US-0084640P.
PR 07-MAY-1998; 98US-0084643P.
PR 15-MAY-1998; 98US-0085579P.
PR 15-MAY-1998; 98US-0085580P.
PR 15-MAY-1998; 98US-0085582P.
PR 15-MAY-1998; 98US-0085700P.
PR 18-MAY-1998; 98US-0086023P.
PR 22-MAY-1998; 98US-0086392P.
PR 22-MAY-1998; 98US-0086466P.
PR 28-MAY-1998; 98US-0087098P.
PR 28-MAY-1998; 98US-0087208P.
PR 02-JUN-1998; 98US-0087609P.
PR 02-JUN-1998; 98US-0087759P.
PR 03-JUN-1998; 98US-0087827P.
PR 04-JUN-1998; 98US-0088025P.
PR 04-JUN-1998; 98US-0088026P.
PR 04-JUN-1998; 98US-0088029P.
PR 04-JUN-1998; 98US-0088033P.
PR 04-JUN-1998; 98US-0088326P.
PR 05-JUN-1998; 98US-0088167P.
PR 05-JUN-1998; 98US-0088202P.
PR 05-JUN-1998; 98US-0088212P.
PR 05-JUN-1998; 98US-0088217P.
PR 09-JUN-1998; 98US-0088655P.
PR 10-JUN-1998; 98US-0088722P.
PR 10-JUN-1998; 98US-0088738P.
PR 10-JUN-1998; 98US-0088740P.
PR 10-JUN-1998; 98US-0088811P.
PR 10-JUN-1998; 98US-0088824P.
PR 10-JUN-1998; 98US-0088825P.
PR 10-JUN-1998; 98US-0088826P.
PR 11-JUN-1998; 98US-0088863P.
PR 11-JUN-1998; 98US-0088863P.
PR 11-JUN-1998; 98US-0088876P.
PR 12-JUN-1998; 98US-0089090P.
PR 12-JUN-1998; 98US-0089105P.
PR 16-JUN-1998; 98US-0089512P.
PR 16-JUN-1998; 98US-0089514P.
PR 17-JUN-1998; 98US-0089538P.
PR 17-JUN-1998; 98US-0089598P.
PR 17-JUN-1998; 98US-0089653P.
PR 18-JUN-1998; 98US-0089908P.
PR 19-JUN-1998; 98US-0089952P.
PR 22-JUN-1998; 98US-0090246P.
PR 22-JUN-1998; 98US-0090252P.
PR 22-JUN-1998; 98US-0090254P.
PR 24-JUN-1998; 98US-0090429P.
PR 24-JUN-1998; 98US-0090435P.
PR 24-JUN-1998; 98US-0090444P.
PR 24-JUN-1998; 98US-0090461P.
PR 24-JUN-1998; 98US-0090535P.
PR 24-JUN-1998; 98US-0090540P.
PR 25-JUN-1998; 98US-0090576P.
PR 25-JUN-1998; 98US-0090678P.
PR 25-JUN-1998; 98US-0090688P.
PR 25-JUN-1998; 98US-0090690P.
PR 25-JUN-1998; 98US-0090694P.
PR 25-JUN-1998; 98US-0090695P.
PR 25-JUN-1998; 98US-0090696P.
PR 26-JUN-1998; 98US-00105413.
PR 26-JUN-1998; 98US-0090862P.
PR 26-JUN-1998; 98US-0090863P.
PR 26-JUN-1998; 98US-0091010P.
PR 01-JUL-1998; 98US-0091559P.
PR 01-JUL-1998; 98US-0091544P.

PR	02-JUL-1998;	98US-0091478P;
PR	02-JUL-1998;	98US-0091486P;
PR	02-JUL-1998;	98US-0091626P;
PR	02-JUL-1998;	98US-0091628P;
PR	02-JUL-1998;	98US-0091632P;
PR	24-JUL-1998;	98US-0094006P;
PR	04-AUG-1998;	98US-0095282P;
PR	10-AUG-1998;	98US-0095988P;
PR	10-AUG-1998;	98US-0096012P;
PR	17-AUG-1998;	98US-0096757P;
PR	17-AUG-1998;	98US-0096766P;
PR	17-AUG-1998;	98US-0096867P;
PR	17-AUG-1998;	98US-0096891P;
PR	18-AUG-1998;	98US-0096897P;
PR	18-AUG-1998;	98US-0096949P;
PR	18-AUG-1998;	98US-0096959P;
PR	26-AUG-1998;	98US-0097022P;
PR	26-AUG-1998;	98US-0097952P;
PR	26-AUG-1998;	98US-0097954P;
PR	26-AUG-1998;	98US-0097955P;
PR	26-AUG-1998;	98US-0097971P;
PR	26-AUG-1998;	98US-0097974P;
PR	26-AUG-1998;	98US-0098014P;
PR	01-SEP-1998;	98US-0098716P;
PR	01-SEP-1998;	98US-0098723P;
PR	02-SEP-1998;	98US-0098803P;
PR	02-SEP-1998;	98US-0098821P;
PR	02-SEP-1998;	98US-0098843P;
PR	09-SEP-1998;	98US-0099602P;
PR	10-SEP-1998;	98US-0099751P;
PR	10-SEP-1998;	98US-0099754P;
PR	10-SEP-1998;	98US-0099763P;
PR	10-SEP-1998;	98US-0099812P;
PR	15-SEP-1998;	98US-0100388P;
PR	16-SEP-1998;	98US-0100662P;
PR	16-SEP-1998;	98US-0100664P;
PR	16-SEP-1998;	98US-0101751P;
PR	16-SEP-1998;	98US-0101751P;
PR	16-SEP-1998;	98US-0101751P;
PR	17-SEP-1998;	98US-0100683P;
PR	17-SEP-1998;	98US-0100919P;
PR	17-SEP-1998;	98US-0100930P;
PR	18-SEP-1998;	98US-0100849P;
PR	18-SEP-1998;	98US-0101014P;
PR	18-SEP-1998;	98US-0101068P;
PR	23-SEP-1998;	98US-0101471P;
PR	23-SEP-1998;	98US-0101472P;
PR	23-SEP-1998;	98US-0101475P;
PR	23-SEP-1998;	98US-0101477P;
PR	24-SEP-1998;	98US-0101738P;
PR	24-SEP-1998;	98US-0101739P;
PR	24-SEP-1998;	98US-0101743P;
PR	24-SEP-1998;	98US-0101922P;
PR	25-SEP-1998;	98US-0101766P;
PR	29-SEP-1998;	98US-0102207P;
PR	29-SEP-1998;	98US-0102240P;
PR	29-SEP-1998;	98US-0102330P;
PR	29-SEP-1998;	98US-0102331P;
PR	30-SEP-1998;	98US-0102487P;
PR	30-SEP-1998;	98US-0102570P;
PR	30-SEP-1998;	98US-0102571P;
PR	01-OCT-1998;	98US-0102684P;
PR	01-OCT-1998;	98US-0102687P;

Query Match	37.2%	Score 742	DB 742	Length 2558
Local Similarity	99.3%	Pred. No. 2,5e-265		
Matches 1142	Conservative 0	Mismatches 8	Indels 0	Gaps 0
QY	290	GACCTGTGACTACTTTTGCTCTCGGGTGAAGTCTTATCCAGACGGTTGGAATTTTCT	349	
Db	871	GACCTGTGACTACTTTTGCTCTCGGGGGAAGTCTTATCCAGACGGTTGGAATTTTCT	930	
OY	350	GGAGGTGTGTCACCGGTGAATATCTTAATCTGAATGTGTGACGAGACCTCTTCACA	409	

Db	931	GGAGGTGTGTGTCACGCGGAAAAATATCTTAATCTGAATGTGTGACAGAGACCTCTCA	990
QY	4410	CCAGGTTTCCGACGAAATGAATTAACGCTTAATAGCATGGAATTTGCAGAGCGCTTGCTT	469
Db	991	CCAGGTTATCCGACGAAATGAATATAGCTTATAGCGCTGGAATTCGAGAGCGCTTGCTT	1050
QY	470	CCAAATATCTCTGTTCAATCCAGTTGGATCTATGATGACAGAAAGCTCTAGAAAAATG	529
Db	1051	CCAAATATCTCTGTTCAATCCAAATGGATTAATGATGATGACAGAAAGCTCTAGAAAAATG	1110
QY	530	GGTGGCTCAGACCAACGATAGAGAGCTGGAGAGAAAGTCTCAAAGTGTCTACAATGTT	589
Db	1111	GGTGGCTCAGACCAACGATAGAGAGCTGGAGAGAAAGTCTCAAAGTGTCTACAATGTT	1170
QY	590	GGACCTGGCTTTATCTGAAACTTTTCTACACAAAAAGTCAAGATGCAATCCACTTACC	649
Db	1171	GGACCTGGCTTTACTGAAACTTTTCTACACAAAAAGTCAAGATGCAATCCACTTACC	1230
QY	650	AATGAAGTACGAGAAATTTACATGTATAGTACTCTCAGAGGACGATGGAACGAC	709
Db	1231	AATGAAGTACGAGAAATTTACATGTATAGTACTCTCAGAGGACGATGGAACGAC	1290
QY	710	AGATATGTCATTTCTGGAGAGTCAACCGGACTCATGGGTGTTGGTATTTGACCTCAG	769
Db	1291	AGATATGTCATTTCTGGAGAGTCAACCGGACTCATGGGTGTTGGTATTTGACCTCAG	1350
QY	770	AGTGAGAGAGCTGTTGTTCAATGAAACGTGTGAGAGCTTGGAAACATCGAAAAAGGAAGG	829
Db	1351	AGTGAGAGAGCTGTTGTTCAATGAAACGTGTGAGAGCTTGGAAACATCGAAAAAGGAAGG	1410
QY	830	TGAGAGCTTAGAAGAACAAATTTGTTTTCGAAGCTGGAGTACAGAAATTTGCTTCTT	889
Db	1411	TGAGAGCTTAGAAGAACAAATTTGTTTTCGAAGCTGGAGTACAGAAATTTGCTTCTT	1470
QY	890	GGTCTCTAGAGTGGCGAGAGATTAATTCAGAGTCTCTTCAAGAGCGTGGCTGCTTAT	949
Db	1471	GGTCTCTAGAGTGGCGAGAGATTAATTCAGAGTCTCTTCAAGAGCGTGGCTGCTTAT	1530
QY	950	ATTATAGCTGCTCATCTATAGAAAGAAACCTACCTGAGAGTGAATTTGATACCACTG	1009
Db	1531	ATTATAGCTGCTCATCTATAGAAAGAAACCTACCTGAGAGTGAATTTGATACCACTG	1590
QY	1010	ATGTACAGCTTGTATACAACTTAACAAAGAGCTGAAAAAGCCCTGATGAAAGCTTTGAA	1069
Db	1591	ATGTACAGCTTGTATACAACTTAACAAAGAGCTGAAAAAGCCCTGATGAAAGCTTTGAA	1650
QY	1070	GGCAAAATCTTTATGAAAGTTGSACTTAATAAAAGTCTTCCCAAGATTCAGTGCATG	1129
Db	1651	GGCAAAATCTTTATGAAAGTTGSACTTAATAAAAGTCTTCCCAAGATTCAGTGCATG	1710
QY	1130	CCGAGATTAAGCAAAATTTGGGATCTCGAAATGATTTTGAAGGTCTCTCAACGACTTGA	1189
Db	1711	CCGAGATTAAGCAAAATTTGGGATCTCGAAATGATTTTGAAGGTCTCTCAACGACTTGA	1770
QY	1190	ATTGCTTCAGGACGAGACGGTATACTTAATAAAATTTGGGAAACAAACAATTCAGCGCTAT	1249
Db	1771	ATTGCTTCAGGACGAGACGGTATACTTAATAAAATTTGGGAAACAAACAATTCAGCGCTAT	1830
QY	1250	CCACTGTATACAGATGTCTATGAAACATATGAGTTGTTGTAATAAGTTTATGATCCATG	1309
Db	1831	CCACTGTATACAGATGTCTATGAAACATATGAGTTGTTGTAATAAGTTTATGATCCATG	1890
QY	1310	TTTAAATATACCCCTCACTGTGGCCACAGTCCGAGAGAGGATGGGCTTGAAGTACCAAT	1369
Db	1891	TTTAAATATACCCCTCACTGTGGCCACAGTCCGAGAGAGGATGGGCTTGAAGTACCAAT	1950
QY	1370	TCCATATGTCCTCTTTGATTTGATTCGAGATTATGCTGATGTTTAAAGAAATATGCTGAC	1429
Db	1951	TCCATATGTCCTCTTTGATTTGATTCGAGATTATGCTGATGTTTAAAGAAATATGCTGAC	2010
QY	1430	AAAAATCTACA 1439	

Db 2011 AAACTCTACA 2020

RESULT 9
ID ACC86945 standard; cDNA; 2558 BP.
XX
AC ACC86945;
XX
DT 05-AUG-2003 (first entry)
XX
DE Human secreted polypeptide PRO739-encoding cDNA, SEQ ID NO:103.
XX
KW Human; PRO; secreted protein; transmembrane protein;
KW extracellular domain; tumour necrosis factor-alpha; TNF-alpha;
KW chondrocyte; proliferation; differentiation; cartilage disorder;
KW bone disorder; arthritis; sports injury; cancer; tumour; diagnosis;
KW adrenal tumour; lung; colon; breast; prostate; kidney; rectum; cervix;
KW liver; drug screening; transgenic animal; genetic analysis;
KW antiarthritic; vulnery; gene therapy; gene; ss.
XX
OS Homo sapiens.
XX
PN US2003036159-A1.
XX
PD 20-FEB-2003.
XX
PF 02-JUL-2002; 2002US-00188773.
XX
XX 18-SEP-1997; 97US-0059263P.
PR 18-SEP-1997; 97US-0059266P.
PR 17-OCT-1997; 97US-0062250P.
PR 21-OCT-1997; 97US-0063486P.
PR 24-OCT-1997; 97US-0063120P.
PR 24-OCT-1997; 97US-0063121P.
PR 28-OCT-1997; 97US-0063540P.
PR 28-OCT-1997; 97US-0063541P.
PR 28-OCT-1997; 97US-0063544P.
PR 28-OCT-1997; 97US-0063564P.
PR 29-OCT-1997; 97US-0063734P.
PR 29-OCT-1997; 97US-0063740P.
PR 31-OCT-1997; 97US-0064103P.
PR 31-OCT-1997; 97US-0065311P.
PR 13-NOV-1997; 97US-0066120P.
PR 21-NOV-1997; 97US-0066466P.
PR 24-NOV-1997; 97US-0066772P.
PR 24-NOV-1997; 97US-0069335P.
PR 11-DEC-1997; 97US-0069425P.
PR 12-DEC-1997; 97US-0069870P.
PR 17-DEC-1997; 97US-0068017P.
PR 18-DEC-1997; 97US-0077450P.
PR 10-MAR-1998; 98US-0077632P.
PR 11-MAR-1998; 98US-0077649P.
PR 20-MAR-1998; 98US-0078886P.
PR 20-MAR-1998; 98US-0078939P.
PR 27-MAR-1998; 98US-0079664P.
PR 27-MAR-1998; 98US-0079786P.
PR 31-MAR-1998; 98US-0080107P.
PR 31-MAR-1998; 98US-0080194P.
PR 01-APR-1998; 98US-0080337P.
PR 01-APR-1998; 98US-0080333P.
PR 08-APR-1998; 98US-0081049P.
PR 08-APR-1998; 98US-0081070P.
PR 09-APR-1998; 98US-0081195P.
PR 15-APR-1998; 98US-0081838P.
PR 21-APR-1998; 98US-0082568P.
PR 21-APR-1998; 98US-0082569P.
PR 22-APR-1998; 98US-0082704P.
PR 22-APR-1998; 98US-0082797P.
PR 28-APR-1998; 98US-0083322P.
PR 28-APR-1998; 98US-0083495P.
PR 29-APR-1998; 98US-0083496P.
PR 29-APR-1998; 98US-0083499P.

PR 29-APR-1998; 98US-0083559P.
PR 05-MAY-1998; 98US-0084366P.
PR 06-MAY-1998; 98US-0084414P.
PR 07-MAY-1998; 98US-0084639P.
PR 07-MAY-1998; 98US-0084640P.
PR 07-MAY-1998; 98US-0084643P.
PR 15-MAY-1998; 98US-0085579P.
PR 15-MAY-1998; 98US-0085580P.
PR 15-MAY-1998; 98US-0085582P.
PR 15-MAY-1998; 98US-0085700P.
PR 18-MAY-1998; 98US-0086023P.
PR 22-MAY-1998; 98US-0086392P.
PR 22-MAY-1998; 98US-0086486P.
PR 28-MAY-1998; 98US-0087098P.
PR 28-MAY-1998; 98US-0087208P.
PR 02-JUN-1998; 98US-0087609P.
PR 02-JUN-1998; 98US-0087759P.
PR 03-JUN-1998; 98US-0087827P.
PR 04-JUN-1998; 98US-0088025P.
PR 04-JUN-1998; 98US-0088028P.
PR 04-JUN-1998; 98US-0088029P.
PR 04-JUN-1998; 98US-0088033P.
PR 04-JUN-1998; 98US-0088326P.
PR 05-JUN-1998; 98US-0088167P.
PR 05-JUN-1998; 98US-0088202P.
PR 05-JUN-1998; 98US-0088212P.
PR 05-JUN-1998; 98US-0088217P.
PR 09-JUN-1998; 98US-0088655P.
PR 10-JUN-1998; 98US-0088722P.
PR 10-JUN-1998; 98US-0088738P.
PR 10-JUN-1998; 98US-0088740P.
PR 10-JUN-1998; 98US-0088811P.
PR 10-JUN-1998; 98US-0088824P.
PR 10-JUN-1998; 98US-0088825P.
PR 10-JUN-1998; 98US-0088826P.
PR 11-JUN-1998; 98US-0088861P.
PR 11-JUN-1998; 98US-0088863P.
PR 11-JUN-1998; 98US-0088876P.
PR 12-JUN-1998; 98US-0089090P.
PR 12-JUN-1998; 98US-0089105P.
PR 16-JUN-1998; 98US-0089512P.
PR 16-JUN-1998; 98US-0089514P.
PR 17-JUN-1998; 98US-0089538P.
PR 17-JUN-1998; 98US-0089598P.
PR 17-JUN-1998; 98US-0089653P.
PR 18-JUN-1998; 98US-0089908P.
PR 19-JUN-1998; 98US-0089952P.
PR 22-JUN-1998; 98US-0090246P.
PR 22-JUN-1998; 98US-0090252P.
PR 22-JUN-1998; 98US-0090254P.
PR 24-JUN-1998; 98US-0090429P.
PR 24-JUN-1998; 98US-0090435P.
PR 24-JUN-1998; 98US-0090444P.
PR 24-JUN-1998; 98US-0090461P.
PR 24-JUN-1998; 98US-0090535P.
PR 24-JUN-1998; 98US-0090540P.
PR 25-JUN-1998; 98US-0090676P.
PR 25-JUN-1998; 98US-0090678P.
PR 25-JUN-1998; 98US-0090688P.
PR 25-JUN-1998; 98US-0090690P.
PR 25-JUN-1998; 98US-0090694P.
PR 25-JUN-1998; 98US-0090695P.
PR 25-JUN-1998; 98US-0090696P.
PR 26-JUN-1998; 98US-00105413.
PR 26-JUN-1998; 98US-0090862P.
PR 26-JUN-1998; 98US-0090863P.
PR 26-JUN-1998; 98US-0091010P.
PR 01-JUL-1998; 98US-0091359P.
PR 01-JUL-1998; 98US-0091544P.
PR 02-JUL-1998; 98US-0091478P.
PR 02-JUL-1998; 98US-0091486P.
PR 02-JUL-1998; 98US-0091626P.
PR 02-JUL-1998; 98US-0091628P.

ACD04118
ID ACD04118 standard; cDNA; 2558 BP.
XX
AC ACD04118;
XX
DT 09-AUG-2003 (first entry)
XX
DE Human secreted/transmembrane protein (PRO) cDNA #52.
XX
KW Human; gene; 56; secreted and transmembrane protein; PRO; TNF-alpha;
KW tumour necrosis factor alpha; chondrocyte cell; tumour; gene therapy;
KW tissue typing.
XX
OS Homo sapiens.
XX
PN US2003040070-A1.
PD
XX 27-FEB-2003.
XX
PF 27-JUN-2002; 2002US-00184627.
XX
PR 18-SEP-1997; 97US-0059263P.
PR 18-SEP-1997; 97US-0059266P.
PR 17-OCT-1997; 97US-0062250P.
PR 21-OCT-1997; 97US-0063486P.
PR 24-OCT-1997; 97US-0063120P.
PR 24-OCT-1997; 97US-0063121P.
PR 28-OCT-1997; 97US-0063540P.
PR 28-OCT-1997; 97US-0063541P.
PR 28-OCT-1997; 97US-0063544P.
PR 28-OCT-1997; 97US-0063564P.
PR 29-OCT-1997; 97US-0063734P.
PR 31-OCT-1997; 97US-0063870P.
PR 31-OCT-1997; 97US-0064103P.
PR 13-NOV-1997; 97US-0065311P.
PR 21-NOV-1997; 97US-0066120P.
PR 24-NOV-1997; 97US-0066466P.
PR 24-NOV-1997; 97US-0066772P.
PR 11-DEC-1997; 97US-0069335P.
PR 12-DEC-1997; 97US-0069425P.
PR 17-DEC-1997; 97US-0069870P.
PR 18-DEC-1997; 97US-0068017P.
PR 10-MAR-1998; 98US-0077450P.
PR 11-MAR-1998; 98US-0077632P.
PR 11-MAR-1998; 98US-0077649P.
PR 20-MAR-1998; 98US-0078886P.
PR 20-MAR-1998; 98US-0078939P.
PR 27-MAR-1998; 98US-0079664P.
PR 27-MAR-1998; 98US-0079786P.
PR 31-MAR-1998; 98US-0080107P.
PR 31-MAR-1998; 98US-0080194P.
PR 01-APR-1998; 98US-0080327P.
PR 01-APR-1998; 98US-0080333P.
PR 08-APR-1998; 98US-0081049P.
PR 08-APR-1998; 98US-0081070P.
PR 09-APR-1998; 98US-0081195P.
PR 15-APR-1998; 98US-0081838P.
PR 21-APR-1998; 98US-0082568P.
PR 21-APR-1998; 98US-0082569P.
PR 22-APR-1998; 98US-0082704P.
PR 22-APR-1998; 98US-0083322P.
PR 28-APR-1998; 98US-0083495P.
PR 29-APR-1998; 98US-0083496P.
PR 29-APR-1998; 98US-0083499P.
PR 29-APR-1998; 98US-0083559P.
PR 05-MAY-1998; 98US-0084366P.
PR 06-MAY-1998; 98US-0084414P.
PR 07-MAY-1998; 98US-0084639P.
PR 07-MAY-1998; 98US-0084640P.
PR 07-MAY-1998; 98US-0084643P.
PR 15-MAY-1998; 98US-0085579P.
PR 15-MAY-1998; 98US-0085580P.

PR 15-MAY-1998; 98US-0085582P.
PR 15-MAY-1998; 98US-0085700P.
PR 18-MAY-1998; 98US-0086023P.
PR 22-MAY-1998; 98US-0086392P.
PR 22-MAY-1998; 98US-0086486P.
PR 28-MAY-1998; 98US-0087098P.
PR 28-MAY-1998; 98US-0087208P.
PR 02-JUN-1998; 98US-0087609P.
PR 02-JUN-1998; 98US-0087759P.
PR 03-JUN-1998; 98US-0087827P.
PR 04-JUN-1998; 98US-0088025P.
PR 04-JUN-1998; 98US-0088028P.
PR 04-JUN-1998; 98US-0088029P.
PR 04-JUN-1998; 98US-0088033P.
PR 04-JUN-1998; 98US-0088326P.
PR 05-JUN-1998; 98US-0088167P.
PR 05-JUN-1998; 98US-0088202P.
PR 05-JUN-1998; 98US-0088212P.
PR 05-JUN-1998; 98US-0088217P.
PR 09-JUN-1998; 98US-0088655P.
PR 10-JUN-1998; 98US-0088722P.
PR 10-JUN-1998; 98US-0088738P.
PR 10-JUN-1998; 98US-0088740P.
PR 10-JUN-1998; 98US-0088811P.
PR 10-JUN-1998; 98US-0088824P.
PR 10-JUN-1998; 98US-0088825P.
PR 10-JUN-1998; 98US-0088826P.
PR 11-JUN-1998; 98US-0088861P.
PR 11-JUN-1998; 98US-0088863P.
PR 11-JUN-1998; 98US-0088876P.
PR 11-JUN-1998; 98US-0089090P.
PR 12-JUN-1998; 98US-0089105P.
PR 16-JUN-1998; 98US-0089512P.
PR 16-JUN-1998; 98US-0089514P.
PR 17-JUN-1998; 98US-0089538P.
PR 17-JUN-1998; 98US-0089598P.
PR 17-JUN-1998; 98US-0089653P.
PR 19-JUN-1998; 98US-0089908P.
PR 19-JUN-1998; 98US-0089952P.
PR 24-JUN-1998; 98US-0090444P.
PR 24-JUN-1998; 98US-0090461P.
PR 24-JUN-1998; 98US-0090535P.
PR 24-JUN-1998; 98US-0090540P.
PR 25-JUN-1998; 98US-0090676P.
PR 25-JUN-1998; 98US-0090678P.
PR 25-JUN-1998; 98US-0090688P.
PR 25-JUN-1998; 98US-0090690P.
PR 25-JUN-1998; 98US-0090694P.
PR 25-JUN-1998; 98US-0090695P.
PR 25-JUN-1998; 98US-0090696P.
PR 26-JUN-1998; 98US-00105413.
PR 26-JUN-1998; 98US-0090862P.
PR 26-JUN-1998; 98US-0090863P.
PR 26-JUN-1998; 98US-0091010P.
PR 01-JUL-1998; 98US-0091159P.
PR 01-JUL-1998; 98US-0091544P.
PR 02-JUL-1998; 98US-0091478P.
PR 02-JUL-1998; 98US-0091486P.
PR 02-JUL-1998; 98US-0091626P.
PR 02-JUL-1998; 98US-0091628P.
PR 02-JUL-1998; 98US-0091632P.
PR 02-JUL-1998; 98US-0091633P.
PR 04-AUG-1998; 98US-0095282P.
PR 10-AUG-1998; 98US-0095998P.
PR 10-AUG-1998; 98US-0096012P.
PR 10-AUG-1998; 98US-0096157P.
PR 17-AUG-1998; 98US-0096766P.
PR 17-AUG-1998; 98US-0096867P.

PR 17-AUG-1998; 98US-0096891P.
PR 17-AUG-1998; 98US-0096897P.
PR 18-AUG-1998; 98US-0096949P.
PR 18-AUG-1998; 98US-0096955P.
PR 18-AUG-1998; 98US-0097022P.
PR 26-AUG-1998; 98US-0097952P.
PR 26-AUG-1998; 98US-0097954P.
PR 26-AUG-1998; 98US-0097955P.
PR 26-AUG-1998; 98US-0097971P.
PR 26-AUG-1998; 98US-0097977P.
PR 01-SEP-1998; 98US-0098716P.
PR 01-SEP-1998; 98US-0098723P.
PR 02-SEP-1998; 98US-0098803P.
PR 02-SEP-1998; 98US-0098821P.
PR 02-SEP-1998; 98US-0098843P.
PR 09-SEP-1998; 98US-0099602P.
PR 10-SEP-1998; 98US-0099741P.
PR 10-SEP-1998; 98US-0099754P.
PR 10-SEP-1998; 98US-0099763P.
PR 15-SEP-1998; 98US-0100388P.
PR 16-SEP-1998; 98US-0100642P.
PR 16-SEP-1998; 98US-0100664P.
PR 16-SEP-1998; 98US-0101751P.
PR 16-SEP-1998; 98US-0101751P.
PR 17-SEP-1998; 98US-0100683P.
PR 17-SEP-1998; 98US-0100684P.
PR 17-SEP-1998; 98US-0100919P.
PR 17-SEP-1998; 98US-0100930P.
PR 18-SEP-1998; 98US-0100849P.
PR 18-SEP-1998; 98US-0101014P.
PR 18-SEP-1998; 98US-0101068P.
PR 23-SEP-1998; 98US-0101471P.
PR 23-SEP-1998; 98US-0101472P.
PR 23-SEP-1998; 98US-0101475P.
PR 23-SEP-1998; 98US-0101477P.
PR 24-SEP-1998; 98US-0101738P.
PR 24-SEP-1998; 98US-0101739P.
PR 24-SEP-1998; 98US-0101743P.
PR 24-SEP-1998; 98US-0101922P.
PR 25-SEP-1998; 98US-0101786P.
PR 25-SEP-1998; 98US-0102207P.
PR 29-SEP-1998; 98US-0102240P.
PR 29-SEP-1998; 98US-0102330P.
PR 29-SEP-1998; 98US-0102331P.
PR 30-SEP-1998; 98US-0102487P.
PR 30-SEP-1998; 98US-0102570P.
PR 30-SEP-1998; 98US-0102571P.
PR 01-OCT-1998; 98US-0102684P.
PR 01-OCT-1998; 98US-0102687P.
PR 02-OCT-1998; 98US-0102965P.
PR 06-OCT-1998; 98US-0103258P.
PR 06-OCT-1998; 98US-0103449P.
PR 07-OCT-1998; 98US-00168978.

Query Match 37.2%; Score 742; DB 7; Length 2558;

Best Local Similarity 99.3%; Pred. No. 2,56-265; Mismatches 8; Indels 0; Gaps 0;

Matches 1142; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 290 GACCTCTGACTACTTGTGCTCTGGGAGTGAAGTCTATCCAGACGGTTGGAATCTTCT 349
DB 871 GACCTCTGACTACTTGTGCTCTGGGAGTGAAGTCTATCCAGACGGTTGGAATCTTCT 930

QY 350 GAGGTGTGTCCAGCGTGAATAATCTTAATCTGAATGTGAGAGACCTCTCACA 409
DB 931 GAGGTGTGTCCAGCGTGAATAATCTTAATCTGAATGTGAGAGACCTCTCACA 990

QY 410 CAGGTATCCAGAAATGAATAGCTTAATAGAGATGAATGTGAGAGCTTGTGCTT 469
DB 991 CAGGTATCCAGAAATGAATAGCTTAATAGAGATGAATGTGAGAGCTTGTGCTT 1050

QY 470 CCAAGTATCTCTTTCATCCAGTTGATATGATGATCAGAGAGCTCTTGAATAATG 529

DB 1051 CCAAGTATCTCTTTCATCCAGTTGATATGATGATCAGAGAGCTCTTGAATAATG 1110
QY 530 GGTGCTCAGACACCAAGATAGCAGCTGAGAGAGAGTCTCAAGTGTCTTCAATGTT 589
DB 1111 GGTGCTCAGACACCAAGATAGCAGCTGAGAGAGAGTCTCAAGTGTCTTCAATGTT 1170

QY 590 GACCTGTGCTTACTGAAAATTCTTTCACAAAAGTCAAGATGACATTCATCTTACC 649
DB 1171 GACCTGTGCTTACTGAAAATTCTTTCACAAAAGTCAAGATGACATTCATCTTACC 1230

QY 650 AATGAAGTACGAGAAATTTTCAATGTATGATGATCTCTCAGAGAGAGTGAACAGAC 709
DB 1231 AATGAAGTACGAGAAATTTTCAATGTATGATGATCTCTCAGAGAGAGTGAACAGAC 1290

QY 710 AGATATGTCAATCTGAGAGGTCAACCGGACTAGGTGTGTTGTGTATGACCTCAG 769
DB 1291 AGATATGTCAATCTGAGAGGTCAACCGGACTAGGTGTGTTGTGTATGACCTCAG 1350

QY 770 AGTGAAGCAGCTGTGTTTCATGAAACTGTGAGAGCTTTGGAACACTGAAAAAGAGGG 829
DB 1351 AGTGAAGCAGCTGTGTTTCATGAAACTGTGAGAGCTTTGGAACACTGAAAAAGAGGG 1410

QY 830 TGAAGACCTTGAAGAAATTTTGTGCAAGCTGGGATGAGAGAAATTTGTCTTCT 889
DB 1411 TGAAGACCTTGAAGAAATTTTGTGCAAGCTGGGATGAGAGAAATTTGTCTTCT 1470

QY 890 GGTTCATCTGAGTGGGAGAGATTAATCAAGCTCTTCAAGAGCGTGGCTTAT 949
DB 1471 GGTTCATCTGAGTGGGAGAGATTAATCAAGCTCTTCAAGAGCGTGGCTTAT 1530

QY 950 ATTAACTGATCTTATTAAGAAAGAACTAATCTGAGTGTGATTTGACCACTG 1009
DB 1531 ATTAACTGATCTTATTAAGAAAGAACTAATCTGAGTGTGATTTGACCACTG 1590

QY 1010 ATGTACAGCTTGTATTAACAATACTAACAAGAGCTGAAAGCCCTGATGAAGCTTTGAA 1069
DB 1591 ATGTACAGCTTGTATTAACAATACTAACAAGAGAGCTGAAAGCCCTGATGAAGCTTTGAA 1650

QY 1070 GGCATACTCTTATGAAGTGTGAACTAATAAAGTCTTCCCAAGTTCAGTGGCATG 1129
DB 1651 GGCATACTCTTATGAAGTGTGAACTAATAAAGTCTTCCCAAGTTCAGTGGCATG 1710

QY 1130 CCAAGATTAAGCAATTTGGATCTGAGAAATGATTTTGAAGTGTCTTCCACGACTTGA 1189
DB 1711 CCAAGATTAAGCAATTTGGATCTGAGAAATGATTTTGAAGTGTCTTCCACGACTTGA 1770

QY 1190 ATTGCTTCAGGAGAGACGTTATTAATAAATTTGGAAACAATACTCAGGGCTAT 1249
DB 1771 ATTGCTTCAGGAGAGACGTTATTAATAAATTTGGAAACAATACTCAGGGCTAT 1830

QY 1250 CCACTGATCAGAGTGTCTATGAACAATAGATGATGAGTGTGAAAAAGTTTATGATCCATG 1309
DB 1831 CCACTGATCAGAGTGTCTATGAACAATAGATGATGAGTGTGAAAAAGTTTATGATCCATG 1890

QY 1310 TTTAAATATACCTCACTGTGCGCCAGCTTCAGAGAGAGATGCTGTTTGAAGTATGCCAAT 1369
DB 1891 TTTAAATATACCTCACTGTGCGCCAGCTTCAGAGAGAGATGCTGTTTGAAGTATGCCAAT 1950

QY 1370 TCCATAGTGTCTCTTTTGAATGTGAGATTAATGCTGATTTTGAAGAAAGTATGCTGAC 1429
DB 1951 TCCATAGTGTCTCTTTTGAATGTGAGATTAATGCTGATTTTGAAGAAAGTATGCTGAC 2010

QY 1430 AAAATCTTACA 1439
DB 2011 AAAATCTTACA 2020

RESULT 11
ACA69449 standard; cDNA; 2558 BP.
XX ACA69449;
AC ACA69449;

XX 27-JUN-2003 (first entry)
DT cDNA encoding human PRO polypeptide #52.
XX
DE Human; PRO polypeptide; secreted and transmembrane protein; tumour;
KW chromosome mapping; gene mapping; cytostatic; gene therapy; gene; ss.
XX
OS Homo sapiens.
XX US2003032113-A1.
XX
PD 13-FEB-2003.
XX
PF 20-JUN-2002; 2002US-00176911.
XX
PR 18-SEP-1997; 97US-0059263P.
PR 18-SEP-1997; 97US-0059266P.
PR 17-OCT-1997; 97US-0062250P.
PR 21-OCT-1997; 97US-0063486P.
PR 24-OCT-1997; 97US-0063120P.
PR 24-OCT-1997; 97US-0063121P.
PR 28-OCT-1997; 97US-0063540P.
PR 28-OCT-1997; 97US-0063541P.
PR 28-OCT-1997; 97US-0063544P.
PR 28-OCT-1997; 97US-0063564P.
PR 29-OCT-1997; 97US-0063734P.
PR 31-OCT-1997; 97US-0063870P.
PR 31-OCT-1997; 97US-0064103P.
PR 13-NOV-1997; 97US-0065311P.
PR 21-NOV-1997; 97US-0066120P.
PR 24-NOV-1997; 97US-0066466P.
PR 24-NOV-1997; 97US-0066772P.
PR 11-DEC-1997; 97US-0069335P.
PR 12-DEC-1997; 97US-0069425P.
PR 17-DEC-1997; 97US-0069870P.
PR 18-DEC-1997; 97US-0068017P.
PR 10-MAR-1998; 98US-0077450P.
PR 11-MAR-1998; 98US-0077632P.
PR 11-MAR-1998; 98US-0077649P.
PR 20-MAR-1998; 98US-0078866P.
PR 20-MAR-1998; 98US-0078939P.
PR 27-MAR-1998; 98US-0079664P.
PR 27-MAR-1998; 98US-0079786P.
PR 31-MAR-1998; 98US-0080107P.
PR 31-MAR-1998; 98US-0080194P.
PR 01-APR-1998; 98US-0080377P.
PR 01-APR-1998; 98US-0080333P.
PR 08-APR-1998; 98US-0081049P.
PR 08-APR-1998; 98US-0081070P.
PR 09-APR-1998; 98US-0081195P.
PR 15-APR-1998; 98US-0081838P.
PR 21-APR-1998; 98US-0082568P.
PR 21-APR-1998; 98US-0082569P.
PR 22-APR-1998; 98US-0082704P.
PR 22-APR-1998; 98US-0082797P.
PR 28-APR-1998; 98US-0083332P.
PR 29-APR-1998; 98US-0083485P.
PR 29-APR-1998; 98US-0083496P.
PR 29-APR-1998; 98US-0083499P.
PR 05-MAY-1998; 98US-0084366P.
PR 06-MAY-1998; 98US-0084414P.
PR 07-MAY-1998; 98US-0084639P.
PR 07-MAY-1998; 98US-0084640P.
PR 07-MAY-1998; 98US-0084643P.
PR 15-MAY-1998; 98US-0085579P.
PR 15-MAY-1998; 98US-0085580P.
PR 15-MAY-1998; 98US-0085582P.
PR 15-MAY-1998; 98US-0085700P.
PR 18-MAY-1998; 98US-0086023P.
PR 22-MAY-1998; 98US-0086392P.
PR 22-MAY-1998; 98US-0086486P.

PR 28-MAY-1998; 98US-0087098P.
PR 28-MAY-1998; 98US-0087208P.
PR 02-JUN-1998; 98US-0087609P.
PR 02-JUN-1998; 98US-0087759P.
PR 03-JUN-1998; 98US-0087827P.
PR 04-JUN-1998; 98US-0088025P.
PR 04-JUN-1998; 98US-0088028P.
PR 04-JUN-1998; 98US-0088029P.
PR 04-JUN-1998; 98US-0088033P.
PR 04-JUN-1998; 98US-0088326P.
PR 05-JUN-1998; 98US-0088167P.
PR 05-JUN-1998; 98US-0088202P.
PR 05-JUN-1998; 98US-0088212P.
PR 09-JUN-1998; 98US-0088217P.
PR 09-JUN-1998; 98US-0088655P.
PR 10-JUN-1998; 98US-0088722P.
PR 10-JUN-1998; 98US-0088738P.
PR 10-JUN-1998; 98US-0088740P.
PR 10-JUN-1998; 98US-0088811P.
PR 10-JUN-1998; 98US-0088824P.
PR 10-JUN-1998; 98US-0088825P.
PR 10-JUN-1998; 98US-0088826P.
PR 11-JUN-1998; 98US-0088861P.
PR 11-JUN-1998; 98US-0088863P.
PR 11-JUN-1998; 98US-0088876P.
PR 12-JUN-1998; 98US-0089090P.
PR 12-JUN-1998; 98US-0089105P.
PR 16-JUN-1998; 98US-0089512P.
PR 16-JUN-1998; 98US-0089514P.
PR 17-JUN-1998; 98US-0089538P.
PR 17-JUN-1998; 98US-0089598P.
PR 17-JUN-1998; 98US-0089653P.
PR 18-JUN-1998; 98US-0089908P.
PR 19-JUN-1998; 98US-0089952P.
PR 22-JUN-1998; 98US-0090246P.
PR 22-JUN-1998; 98US-0090252P.
PR 22-JUN-1998; 98US-0090254P.
PR 24-JUN-1998; 98US-0090429P.
PR 24-JUN-1998; 98US-0090435P.
PR 24-JUN-1998; 98US-0090444P.
PR 24-JUN-1998; 98US-0090461P.
PR 24-JUN-1998; 98US-0090535P.
PR 24-JUN-1998; 98US-0090540P.
PR 25-JUN-1998; 98US-0090676P.
PR 25-JUN-1998; 98US-0090678P.
PR 25-JUN-1998; 98US-0090688P.
PR 25-JUN-1998; 98US-0090690P.
PR 25-JUN-1998; 98US-0090694P.
PR 25-JUN-1998; 98US-0090695P.
PR 25-JUN-1998; 98US-0090696P.
PR 26-JUN-1998; 98US-00105413.
PR 26-JUN-1998; 98US-0090862P.
PR 26-JUN-1998; 98US-0090863P.
PR 26-JUN-1998; 98US-0091010P.
PR 01-JUL-1998; 98US-0091359P.
PR 01-JUL-1998; 98US-0091544P.
PR 02-JUL-1998; 98US-0091478P.
PR 02-JUL-1998; 98US-0091486P.
PR 02-JUL-1998; 98US-0091626P.
PR 02-JUL-1998; 98US-0091628P.
PR 02-JUL-1998; 98US-0091632P.
PR 24-JUL-1998; 98US-0094006P.
PR 04-AUG-1998; 98US-0095282P.
PR 10-AUG-1998; 98US-0095298P.
PR 10-AUG-1998; 98US-0096012P.
PR 17-AUG-1998; 98US-0096757P.
PR 17-AUG-1998; 98US-0096766P.
PR 17-AUG-1998; 98US-0096867P.
PR 17-AUG-1998; 98US-0096891P.
PR 17-AUG-1998; 98US-0096897P.
PR 18-AUG-1998; 98US-0096949P.
PR 18-AUG-1998; 98US-0096959P.
PR 18-AUG-1998; 98US-0097022P.

PR 26-AUG-1998; 98US-0097952P.
PR 26-AUG-1998; 98US-0097954P.
PR 26-AUG-1998; 98US-0097955P.
PR 26-AUG-1998; 98US-0097971P.
PR 26-AUG-1998; 98US-0097974P.
PR 26-AUG-1998; 98US-0098014P.
PR 01-SEP-1998; 98US-0098716P.
PR 01-SEP-1998; 98US-0098723P.
PR 02-SEP-1998; 98US-0098803P.
PR 02-SEP-1998; 98US-0098821P.
PR 02-SEP-1998; 98US-0098843P.
PR 09-SEP-1998; 98US-0099602P.
PR 10-SEP-1998; 98US-0099741P.
PR 10-SEP-1998; 98US-0099754P.
PR 10-SEP-1998; 98US-0099763P.
PR 10-SEP-1998; 98US-0099812P.
PR 15-SEP-1998; 98US-0100388P.
PR 16-SEP-1998; 98US-0100662P.
PR 16-SEP-1998; 98US-0100664P.
PR 16-SEP-1998; 98US-0101751P.
PR 16-SEP-1998; 98US-0101751P.
PR 17-SEP-1998; 98US-0100683P.
PR 17-SEP-1998; 98US-0100684P.
PR 17-SEP-1998; 98US-0100931P.
PR 17-SEP-1998; 98US-0100930P.
PR 18-SEP-1998; 98US-0100849P.
PR 18-SEP-1998; 98US-0101014P.
PR 18-SEP-1998; 98US-0101068P.
PR 23-SEP-1998; 98US-0101471P.
PR 23-SEP-1998; 98US-0101472P.
PR 23-SEP-1998; 98US-0101475P.
PR 23-SEP-1998; 98US-0101477P.
PR 24-SEP-1998; 98US-0101738P.
PR 24-SEP-1998; 98US-0101739P.
PR 24-SEP-1998; 98US-0101743P.
PR 24-SEP-1998; 98US-0101922P.
PR 25-SEP-1998; 98US-0101786P.
PR 29-SEP-1998; 98US-0102207P.
PR 29-SEP-1998; 98US-0102240P.
PR 29-SEP-1998; 98US-010230P.
PR 29-SEP-1998; 98US-0102310P.
PR 30-SEP-1998; 98US-0102487P.
PR 30-SEP-1998; 98US-0102570P.
PR 30-SEP-1998; 98US-0102571P.
PR 01-OCT-1998; 98US-0102684P.
PR 01-OCT-1998; 98US-0102687P.
PR 02-OCT-1998; 98US-0102965P.
PR 06-OCT-1998; 98US-0103258P.
PR 06-OCT-1998; 98US-0103449P.
PR 07-OCT-1998; 98US-00168978.
PR 07-OCT-1998; 98US-0103395P.

Query Match 37.2%; Score 742; DB 7; Length 2558;
Best Local Similarity 99.3%; Pred. No. 2.5e-265;
Matches 1142; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 290 GACCTGCTGACTTCTTCTCTCTGAGGTAAGCTTATCCAGACGGTTGAACTTCTCT 349
DB 871 GACCTGCTGACTTCTTCTCTCTGAGGTAAGCTTATCCAGACGGTTGAACTTCTCT 930
QY 350 GAGAGTGTGCTGAGGTAAGCTTATCCAGACGGTTGAACTTCTCTCTCTCTCTCTCT 409
DB 931 GAGAGTGTGCTGAGGTAAGCTTATCCAGACGGTTGAACTTCTCTCTCTCTCTCTCT 990
QY 410 CCAAGTATCCAGACCAATGATAGCTTATAGGATGAGGCTGTTGATCTT 469
DB 991 CCAAGTATCCAGACCAATGATAGCTTATAGGATGAGGCTGTTGATCTT 1050
QY 470 CCAAGTATCTCTGTTCTATCCAGTTGATATCTATATGACAGAAAGCTCTTGAAGAAATG 529
DB 1051 CCAAGTATCTCTGTTCTATCCAGTTGATATGATGATGACAGAAAGCTCTTGAAGAAATG 1110
QY 530 GGTGGCTCAGACCAACAGATAGCAGCTGAGAGAAAGTCTCAAGTGTCTCAATGTT 589

DB 1111 GGTGGCTCAGACCAACAGATAGCAGCTGAGAGAAAGTCTCAAGTGTCTCAATGTT 1170
QY 590 GACCTGCTTATCTGAAAATTCTTCTACACAAAAGTCAAGTATGACATCTCTACC 649
DB 1171 GACCTGCTTATCTGAAAATTCTTCTACACAAAAGTCAAGTATGACATCTCTACC 1230
QY 650 AATGAAGTACGAGAAATTTTCAATGTATGTAGTCTGAGAGAGAGAGAAACAGAC 709
DB 1231 AATGAAGTACGAGAAATTTTCAATGTATGTAGTCTGAGAGAGAGAGAAACAGAC 1290
QY 710 AGATATGTCTTCTGAGAGCTCACCGGACTCTGAGGTTGTTGTTGATTTGACCTCAG 769
DB 1291 AGATATGTCTTCTGAGAGCTCACCGGACTCTGAGGTTGTTGTTGATTTGACCTCAG 1350
QY 770 AGTGAAGCAGCTGTTGTTCTATGAACTGTAGAGAGCTTTGAACTGAAAAGAAAGG 829
DB 1351 AGTGAAGCAGCTGTTGTTCTATGAAATTTGAGAGAGCTTTGAACTGAAAAGAAAGG 1410
QY 830 TGGAGACCTAGAGAAATTTTGTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 889
DB 1411 TGGAGACCTAGAGAAATTTTGTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 1470
QY 890 GGTCTACTAGTGGGCAAGAGATTAATCAAGCTCTTCAAGAGCTGGCTGCTTAT 949
DB 1471 GGTCTACTAGTGGGCAAGAGATTAATCAAGCTCTTCAAGAGCTGGCTGCTTAT 1530
QY 950 ATTAATGCTGACTCATCTATAGAGAAATCTACCTGAGAGTTGATGACACCTG 1009
DB 1531 ATTAATGCTGACTCATCTATAGAGAAATCTACCTGAGAGTTGATGACACCTG 1590
QY 1010 ATTAATGCTGACTCATCTATAGAGAAATCTACCTGAGAGTTGATGACACCTG 1069
DB 1591 ATTAATGCTGACTCATCTATAGAGAAATCTACCTGAGAGTTGATGACACCTG 1650
QY 1070 GGCAGATCTCTTATGAAAGTTGACTTAAAGTCTTCCAGAGTTCACTGAGCATG 1129
DB 1651 GGCAGATCTCTTATGAAAGTTGACTTAAAGTCTTCCAGAGTTCACTGAGCATG 1710
QY 1130 CCAAGATTAAGCAAAATGAGATCTGAAATGATTTTGAAGTGTCTTCCAGCATGGA 1189
DB 1711 CCAAGATTAAGCAAAATGAGATCTGAAATGATTTTGAAGTGTCTTCCAGCATGGA 1770
QY 1190 ATTGCTTCAAGGACAGACCGTATTAATAAATTTGGAAACAAATTCAGCGGCTAT 1249
DB 1771 ATTGCTTCAAGGACAGACCGTATTAATAAATTTGGAAACAAATTCAGCGGCTAT 1830
QY 1250 CCACTGATCAAGTGTCTATGAAACATATGAGTTGTGGAAGTTTATGATCCAAATG 1309
DB 1831 CCACTGATCAAGTGTCTATGAAACATATGAGTTGTGGAAGTTTATGATCCAAATG 1890
QY 1310 TTTAAATATCACTCACTGAGGCTGAGGCTGAGAGAGAGTGTGTTGAGTACCAAT 1369
DB 1891 TTTAAATATCACTCACTGAGGCTGAGGCTGAGAGAGAGTGTGTTGAGTACCAAT 1950
QY 1370 TCCATATGCTGCTCTTTTGTATTTGATGATGATGATGATGATGATGATGATGATG 1429
DB 1951 TCCATATGCTGCTCTTTTGTATTTGATGATGATGATGATGATGATGATGATGATG 2010
QY 1430 AAAATCTACA 1439
DB 2011 AAAATCTACA 2020
RESULT 12
ACA90294
ID ACA90294 standard; cDNA; 2558 BP.
XX ACA90294;
XX 11-AUG-2003 (first entry)
XX Novel human secreted and transmembrane protein PRO739 cDNA.

XX Human; gene therapy; tissue typing; tumour; chondrocyte proliferation;
KW chondrocyte differentiation; tumour necrosis factor-alpha release; ss;
KM affinity purification; gene.
OS Homo sapiens.
XX
PN US2003036147-A1.
XX
PD 20-FEB-2003.
XX
PF 02-JUL-2002; 2002US-00187741.
XX
PR 18-SEP-1997; 97US-0059263P.
PR 18-SEP-1997; 97US-0059266P.
PR 17-OCT-1997; 97US-0062250P.
PR 21-OCT-1997; 97US-0063486P.
PR 24-OCT-1997; 97US-0063120P.
PR 24-OCT-1997; 97US-0063121P.
PR 28-OCT-1997; 97US-0063540P.
PR 28-OCT-1997; 97US-0063541P.
PR 28-OCT-1997; 97US-0063544P.
PR 28-OCT-1997; 97US-0063564P.
PR 29-OCT-1997; 97US-0063734P.
PR 31-OCT-1997; 97US-0063870P.
PR 31-OCT-1997; 97US-0064103P.
PR 13-NOV-1997; 97US-0065311P.
PR 21-NOV-1997; 97US-0066120P.
PR 24-NOV-1997; 97US-0066466P.
PR 24-NOV-1997; 97US-0066772P.
PR 11-DEC-1997; 97US-0069335P.
PR 11-DEC-1997; 97US-0069870P.
PR 17-DEC-1997; 97US-0069870P.
PR 18-DEC-1997; 97US-0068017P.
PR 10-MAR-1998; 98US-0077450P.
PR 11-MAR-1998; 98US-0077632P.
PR 11-MAR-1998; 98US-0077649P.
PR 20-MAR-1998; 98US-0078886P.
PR 20-MAR-1998; 98US-0078939P.
PR 27-MAR-1998; 98US-0079664P.
PR 27-MAR-1998; 98US-0079786P.
PR 31-MAR-1998; 98US-0080107P.
PR 31-MAR-1998; 98US-0080194P.
PR 01-APR-1998; 98US-0080327P.
PR 01-APR-1998; 98US-0080333P.
PR 08-APR-1998; 98US-0081049P.
PR 08-APR-1998; 98US-0081070P.
PR 09-APR-1998; 98US-0081195P.
PR 15-APR-1998; 98US-0081838P.
PR 21-APR-1998; 98US-0082568P.
PR 21-APR-1998; 98US-0082569P.
PR 22-APR-1998; 98US-0082704P.
PR 22-APR-1998; 98US-0082797P.
PR 28-APR-1998; 98US-0083322P.
PR 29-APR-1998; 98US-0083495P.
PR 29-APR-1998; 98US-0083496P.
PR 29-APR-1998; 98US-0083499P.
PR 29-APR-1998; 98US-0083559P.
PR 05-MAY-1998; 98US-0084366P.
PR 06-MAY-1998; 98US-0084414P.
PR 07-MAY-1998; 98US-0084639P.
PR 07-MAY-1998; 98US-0084640P.
PR 07-MAY-1998; 98US-0084643P.
PR 15-MAY-1998; 98US-0085579P.
PR 15-MAY-1998; 98US-0085580P.
PR 15-MAY-1998; 98US-0085582P.
PR 15-MAY-1998; 98US-0085820P.
PR 18-MAY-1998; 98US-0086023P.
PR 22-MAY-1998; 98US-0086392P.
PR 22-MAY-1998; 98US-0086486P.
PR 28-MAY-1998; 98US-0087098P.
PR 28-MAY-1998; 98US-0087208P.
PR 02-JUN-1998; 98US-0087609P.

PR 02-JUN-1998; 98US-0087759P.
PR 03-JUN-1998; 98US-0087827P.
PR 04-JUN-1998; 98US-0088025P.
PR 04-JUN-1998; 98US-0088028P.
PR 04-JUN-1998; 98US-0088029P.
PR 04-JUN-1998; 98US-0088033P.
PR 04-JUN-1998; 98US-0088167P.
PR 05-JUN-1998; 98US-0088202P.
PR 05-JUN-1998; 98US-0088212P.
PR 05-JUN-1998; 98US-0088217P.
PR 09-JUN-1998; 98US-0088655P.
PR 10-JUN-1998; 98US-0088722P.
PR 10-JUN-1998; 98US-0088738P.
PR 10-JUN-1998; 98US-0088740P.
PR 10-JUN-1998; 98US-0088811P.
PR 10-JUN-1998; 98US-0088824P.
PR 10-JUN-1998; 98US-0088825P.
PR 10-JUN-1998; 98US-0088826P.
PR 11-JUN-1998; 98US-0088861P.
PR 11-JUN-1998; 98US-0088863P.
PR 11-JUN-1998; 98US-0088876P.
PR 12-JUN-1998; 98US-0089090P.
PR 12-JUN-1998; 98US-0089105P.
PR 16-JUN-1998; 98US-0089512P.
PR 16-JUN-1998; 98US-0089514P.
PR 17-JUN-1998; 98US-0089538P.
PR 17-JUN-1998; 98US-0089598P.
PR 17-JUN-1998; 98US-0089653P.
PR 18-JUN-1998; 98US-0089808P.
PR 19-JUN-1998; 98US-0089952P.
PR 22-JUN-1998; 98US-0090246P.
PR 22-JUN-1998; 98US-0090252P.
PR 22-JUN-1998; 98US-0090254P.
PR 24-JUN-1998; 98US-0090429P.
PR 24-JUN-1998; 98US-0090435P.
PR 24-JUN-1998; 98US-0090444P.
PR 24-JUN-1998; 98US-0090461P.
PR 24-JUN-1998; 98US-0090535P.
PR 24-JUN-1998; 98US-0090540P.
PR 25-JUN-1998; 98US-0090576P.
PR 25-JUN-1998; 98US-0090678P.
PR 25-JUN-1998; 98US-0090688P.
PR 25-JUN-1998; 98US-0090690P.
PR 25-JUN-1998; 98US-0090694P.
PR 25-JUN-1998; 98US-0090695P.
PR 25-JUN-1998; 98US-0090696P.
PR 26-JUN-1998; 98US-00105413.
PR 26-JUN-1998; 98US-0090862P.
PR 26-JUN-1998; 98US-0090863P.
PR 26-JUN-1998; 98US-0091010P.
PR 01-JUL-1998; 98US-0091359P.
PR 01-JUL-1998; 98US-0091544P.
PR 02-JUL-1998; 98US-0091478P.
PR 02-JUL-1998; 98US-0091486P.
PR 02-JUL-1998; 98US-0091626P.
PR 02-JUL-1998; 98US-0091628P.
PR 02-JUL-1998; 98US-0091632P.
PR 24-JUL-1998; 98US-0094006P.
PR 04-AUG-1998; 98US-0095282P.
PR 10-AUG-1998; 98US-0095598P.
PR 17-AUG-1998; 98US-0096012P.
PR 17-AUG-1998; 98US-0096757P.
PR 17-AUG-1998; 98US-0096766P.
PR 17-AUG-1998; 98US-0096867P.
PR 17-AUG-1998; 98US-0096891P.
PR 17-AUG-1998; 98US-0096897P.
PR 18-AUG-1998; 98US-0096949P.
PR 18-AUG-1998; 98US-0096959P.
PR 26-AUG-1998; 98US-0097022P.
PR 26-AUG-1998; 98US-0097952P.
PR 26-AUG-1998; 98US-0097954P.
PR 26-AUG-1998; 98US-0097955P.

Query Match	37.2%	Score 742	DB 7	Length 2558
Best Local Similarity	99.3%	Pred. No.2.5e-265		
Matches 1142	Conservative	0	Mismatches 8	Indels 0
			Gaps	0
Qy	290	GACCCCTGCTGACTACTTGTCTCCTGGGGTGAAGTCCATCCAGACGGTTGAAATCTTCT	349	
Db	871	GACCTGCTGACTACTTGTCTCCTGGGGTGAAGTCCATCCAGACGGTTGAAATCTTCT	930	
Qy	350	GGAGGTGCTGTCCACGCTGGAATAATCTCTAAATCTGAAATGCTGCAGAGACCCCTCACA	409	
Db	931	GGAGGTGCTGTCCACGCTGGAATAATCTCTAAATCTGAAATGCTGCAGAGACCCCTCACA	990	
Qy	410	CCAGGTTACCCAGCAATGAATAGCCTATATAGCATGGAATTCGACGAGCCTTGTGCTTT	469	
Db	991	CCAGGTTACCCAGCAATGAATATGCTATATAGCCTGGAATTCGAGAGCCTTGTGCTTT	1056	
Qy	470	CCAAGTATTCCTGTCATCCAGTTGGATATGATGCAACGAACTCCTTGAAAAAATG	529	
Db	1051	CCAAGTATTCCTGTCATCCAGTTGGATATGATGCAACGAACTCCTTGAAAAAATG	1110	
Qy	530	GGTGGCTCAGACCAACGAGATAGCAGTGTGAGAGGAAGTCTCAAAAGTCTCTCAATGTT	589	
Db	1111	GGTGGCTCAGACCAACGAGATAGCAGTGTGAGAGGAAGTCTCAAAAGTCTCTCAATGTT	1170	
Qy	590	GGACCTGGCTTACTGGAATCTTTTCTACACAAAAAGTCAAGATGCACATCCACTTAC	649	

[illegible]

KW bone disorder; arthritis; sports injury; cancer; tumour; diagnosis;
KW adrenal tumour; lung; colon; breast; prostate; kidney; rectum; cervix;
KW liver; drug screening; transgenic animal; genetic analysis;
KW antituberc; vulnertary; gene therapy; gene; ss.
OS Homo sapiens.
XX
XX US2003027264-A1.
PD 06-FEB-2003.
XX
XX 18-JUN-2002; 2002US-00174579.
XX
PR 18-SEP-1997; 97US-0059263P.
PR 18-SEP-1997; 97US-0059266P.
PR 17-OCT-1997; 97US-0062250P.
PR 21-OCT-1997; 97US-0063486P.
PR 24-OCT-1997; 97US-0063120P.
PR 24-OCT-1997; 97US-0063121P.
PR 28-OCT-1997; 97US-0063540P.
PR 28-OCT-1997; 97US-0063541P.
PR 28-OCT-1997; 97US-0063544P.
PR 28-OCT-1997; 97US-0063564P.
PR 29-OCT-1997; 97US-0063734P.
PR 31-OCT-1997; 97US-0063870P.
PR 31-OCT-1997; 97US-0064103P.
PR 13-NOV-1997; 97US-0065311P.
PR 21-NOV-1997; 97US-0066120P.
PR 24-NOV-1997; 97US-0066466P.
PR 24-NOV-1997; 97US-0066772P.
PR 11-DEC-1997; 97US-0069335P.
PR 12-DEC-1997; 97US-0069425P.
PR 17-DEC-1997; 97US-0069870P.
PR 18-DEC-1997; 97US-0068017P.
PR 10-MAR-1998; 98US-0077450P.
PR 11-MAR-1998; 98US-0077632P.
PR 11-MAR-1998; 98US-0077649P.
PR 20-MAR-1998; 98US-0078886P.
PR 20-MAR-1998; 98US-0078939P.
PR 27-MAR-1998; 98US-0079664P.
PR 27-MAR-1998; 98US-0079786P.
PR 31-MAR-1998; 98US-0080107P.
PR 31-MAR-1998; 98US-0080194P.
PR 01-APR-1998; 98US-0080327P.
PR 01-APR-1998; 98US-0080333P.
PR 08-APR-1998; 98US-0081049P.
PR 08-APR-1998; 98US-0081070P.
PR 09-APR-1998; 98US-0081195P.
PR 15-APR-1998; 98US-0081838P.
PR 21-APR-1998; 98US-0082568P.
PR 21-APR-1998; 98US-0082569P.
PR 22-APR-1998; 98US-0082704P.
PR 22-APR-1998; 98US-0082797P.
PR 28-APR-1998; 98US-0083322P.
PR 29-APR-1998; 98US-0083495P.
PR 29-APR-1998; 98US-0083496P.
PR 29-APR-1998; 98US-0083499P.
PR 29-APR-1998; 98US-0083559P.
PR 05-MAY-1998; 98US-0084366P.
PR 06-MAY-1998; 98US-0084414P.
PR 07-MAY-1998; 98US-0084639P.
PR 07-MAY-1998; 98US-0084640P.
PR 07-MAY-1998; 98US-0084643P.
PR 15-MAY-1998; 98US-0085579P.
PR 15-MAY-1998; 98US-0085580P.
PR 15-MAY-1998; 98US-0085582P.
PR 18-MAY-1998; 98US-0086023P.
PR 22-MAY-1998; 98US-0086392P.
PR 22-MAY-1998; 98US-0086486P.
PR 28-MAY-1998; 98US-0087098P.
PR 28-MAY-1998; 98US-0087208P.
PR 02-JUN-1998; 98US-0087609P.

PR 02-JUN-1998; 98US-0087759P.
PR 03-JUN-1998; 98US-0087827P.
PR 04-JUN-1998; 98US-0088025P.
PR 04-JUN-1998; 98US-0088028P.
PR 04-JUN-1998; 98US-0088033P.
PR 04-JUN-1998; 98US-0088039P.
PR 05-JUN-1998; 98US-0088167P.
PR 05-JUN-1998; 98US-0088202P.
PR 05-JUN-1998; 98US-0088212P.
PR 05-JUN-1998; 98US-0088217P.
PR 09-JUN-1998; 98US-0088655P.
PR 10-JUN-1998; 98US-0088722P.
PR 10-JUN-1998; 98US-0088738P.
PR 10-JUN-1998; 98US-0088740P.
PR 10-JUN-1998; 98US-0088811P.
PR 10-JUN-1998; 98US-0088824P.
PR 10-JUN-1998; 98US-0088825P.
PR 10-JUN-1998; 98US-0088826P.
PR 11-JUN-1998; 98US-0088861P.
PR 11-JUN-1998; 98US-0088863P.
PR 11-JUN-1998; 98US-0088876P.
PR 12-JUN-1998; 98US-0089090P.
PR 12-JUN-1998; 98US-0089105P.
PR 16-JUN-1998; 98US-0089512P.
PR 16-JUN-1998; 98US-0089514P.
PR 17-JUN-1998; 98US-0089538P.
PR 17-JUN-1998; 98US-0089598P.
PR 17-JUN-1998; 98US-0089653P.
PR 18-JUN-1998; 98US-0089908P.
PR 19-JUN-1998; 98US-0089952P.
PR 22-JUN-1998; 98US-0090246P.
PR 22-JUN-1998; 98US-0090252P.
PR 22-JUN-1998; 98US-0090254P.
PR 24-JUN-1998; 98US-0090429P.
PR 24-JUN-1998; 98US-0090435P.
PR 24-JUN-1998; 98US-0090444P.
PR 24-JUN-1998; 98US-0090461P.
PR 24-JUN-1998; 98US-0090535P.
PR 24-JUN-1998; 98US-0090540P.
PR 25-JUN-1998; 98US-0090676P.
PR 25-JUN-1998; 98US-0090678P.
PR 25-JUN-1998; 98US-0090688P.
PR 25-JUN-1998; 98US-0090690P.
PR 25-JUN-1998; 98US-0090694P.
PR 25-JUN-1998; 98US-0090695P.
PR 25-JUN-1998; 98US-0090696P.
PR 26-JUN-1998; 98US-00105413.
PR 26-JUN-1998; 98US-0090862P.
PR 26-JUN-1998; 98US-0090863P.
PR 26-JUN-1998; 98US-0091010P.
PR 26-JUN-1998; 98US-0091359P.
PR 01-JUL-1998; 98US-0091544P.
PR 02-JUL-1998; 98US-0091478P.
PR 02-JUL-1998; 98US-0091486P.
PR 02-JUL-1998; 98US-0091626P.
PR 02-JUL-1998; 98US-0091628P.
PR 02-JUL-1998; 98US-0091632P.
PR 24-JUL-1998; 98US-0094006P.
PR 24-AUG-1998; 98US-0095282P.
PR 10-AUG-1998; 98US-0095598P.
PR 10-AUG-1998; 98US-0096012P.
PR 17-AUG-1998; 98US-0096757P.
PR 17-AUG-1998; 98US-0096766P.
PR 17-AUG-1998; 98US-0096867P.
PR 17-AUG-1998; 98US-0096891P.
PR 17-AUG-1998; 98US-0096897P.
PR 18-AUG-1998; 98US-0096949P.
PR 18-AUG-1998; 98US-0096959P.
PR 18-AUG-1998; 98US-0097022P.
PR 26-AUG-1998; 98US-0097952P.
PR 26-AUG-1998; 98US-0097954P.
PR 26-AUG-1998; 98US-0097955P.


```

PR 26-AUG-1998; 98US-0097971P.
PR 26-AUG-1998; 98US-0097974P.
PR 26-AUG-1998; 98US-0098014P.
PR 01-SEP-1998; 98US-0098716P.
PR 01-SEP-1998; 98US-0098723P.
PR 02-SEP-1998; 98US-0098803P.
PR 02-SEP-1998; 98US-0098821P.
PR 02-SEP-1998; 98US-0098843P.
PR 09-SEP-1998; 98US-0099602P.
PR 10-SEP-1998; 98US-0099741P.
PR 10-SEP-1998; 98US-0099754P.
PR 10-SEP-1998; 98US-0099763P.
PR 10-SEP-1998; 98US-0099812P.
PR 15-SEP-1998; 98US-0100388P.
PR 15-SEP-1998; 98US-0100662P.
PR 16-SEP-1998; 98US-0100664P.
PR 16-SEP-1998; 98US-0101751P.
PR 16-SEP-1998; 98US-0101933P.
PR 17-SEP-1998; 98US-0100683P.
PR 17-SEP-1998; 98US-0100684P.
PR 17-SEP-1998; 98US-0100919P.
PR 17-SEP-1998; 98US-0100930P.
PR 18-SEP-1998; 98US-0100849P.
PR 18-SEP-1998; 98US-0101014P.
PR 18-SEP-1998; 98US-0101068P.
PR 23-SEP-1998; 98US-0101471P.
PR 23-SEP-1998; 98US-0101472P.
PR 23-SEP-1998; 98US-0101475P.
PR 23-SEP-1998; 98US-0101477P.
PR 24-SEP-1998; 98US-0101738P.
PR 24-SEP-1998; 98US-0101739P.
PR 24-SEP-1998; 98US-0101743P.
PR 24-SEP-1998; 98US-0101922P.
PR 25-SEP-1998; 98US-0101786P.
PR 25-SEP-1998; 98US-0102076P.
PR 29-SEP-1998; 98US-0102240P.
PR 29-SEP-1998; 98US-0102330P.
PR 29-SEP-1998; 98US-0102331P.
PR 30-SEP-1998; 98US-0102487P.
PR 30-SEP-1998; 98US-0102570P.
PR 30-SEP-1998; 98US-0102571P.
PR 01-OCT-1998; 98US-0102684P.
PR 01-OCT-1998; 98US-0102687P.

```

Query Match 37.2%; Score 742; DB 7; Length 2558;

Best Local Similarity 99.3%; Pred. No. 2.5e-265; Mismatches 8; Indels 0; Gaps 0;

Matches 1142; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

```

QY 290 GACCTGCTGACTACTTGTGCTGCGGGTGAAGTCTATCCAGACGGTTGGAATCTTCT 349
DB 871 GACCTGCTGACTACTTGTGCTGCGGGTGAAGTCTATCCAGACGGTTGGAATCTTCT 930
QY 350 GAGGTGTGTCCAGCGTGAATAATATCTTAATCTGAATGCTGAGAGACCTCTCACA 409
DB 931 GAGGTGTGTCCAGCGTGAATAATATCTTAATCTGAATGCTGAGAGACCTCTCACA 990
QY 410 CCAGGTATCCAGGAATGAATACGCTTATAGGATGAATGAGAGGCTGTGGTCTT 469
DB 991 CCAGGTATCCAGGAATGAATATGCTTATAGGATGAATGAGAGGCTGTGGTCTT 1050
QY 470 CCAAGTATCTGCTTCACTCAAGTTGATGATGATGATGATGATGATGATGATGATGAT 529
DB 1051 CCAAGTATCTGCTTCACTCAAGTTGATGATGATGATGATGATGATGATGATGATGAT 1110
QY 530 GGTGGCTCAGACCAACAGATGACGCTGAGAGGAAGTCTCAAGTGTCTTCAATGTT 589
DB 1111 GGTGGCTCAGACCAACAGATGACGCTGAGAGGAAGTCTCAAGTGTCTTCAATGTT 1170
QY 590 GAGCTGCTGCTTCTGGAATCTTCTTACACAAAAGTCAAGATGACATCCACTTACC 649
DB 1171 GAGCTGCTGCTTCTGGAATCTTCTTACACAAAAGTCAAGATGACATCCACTTACC 1230
QY 650 AATGAAGTGAAGAAATTTTCAATGTATGATCTCTCAGAGAGCAGTGAACCAAGAC 709

```

```

DB 1231 AATGAAGTGAAGAAATTTTCAATGTATGATCTCTCAGAGAGCAGTGAACCAAGAC 1290
QY 1231 AATGAAGTGAAGAAATTTTCAATGTATGATCTCTCAGAGAGCAGTGAACCAAGAC 1290
DB 1291 AGATATGCTATCTGGAAGGTCAACCGGACTCATGGGTGTTGGTGTATGACCTTACG 769
QY 1291 AGATATGCTATCTGGAAGGTCAACCGGACTCATGGGTGTTGGTGTATGACCTTACG 1350
DB 770 AGTGAAGCAGCTGTTGTCATGAAACGTGTAGAGAGCTTTGGAACATGAAAAAGGAAGG 829
QY 770 AGTGAAGCAGCTGTTGTCATGAAACGTGTAGAGAGCTTTGGAACATGAAAAAGGAAGG 829
DB 1351 AGTGAAGCAGCTGTTGTCATGAAATGTAGAGAGCTTTGGAACATGAAAAAGGAAGG 1410
QY 830 TGAAGACCTTGAAGAAATTTTGTGCAAGCTGAGATGAGAGAAATTTGGCTTCTT 889
DB 1411 TGAAGACCTTGAAGAAATTTTGTGCAAGCTGAGATGAGAGAAATTTGGCTTCTT 1470
QY 890 GGTTCATGATGAGGAGAGATTAATTAAGACTCTTCAAGAGCTGAGCTGAT 949
DB 1471 GGTTCATGATGAGGAGAGATTAATTAAGACTCTTCAAGAGCTGAGCTGAT 1530
QY 950 AATTAAGTGAATCTATATGAAGAACTATCACTGTGAGTGAATGATGACCACTG 1009
DB 1531 AATTAAGTGAATCTATATGAAGAACTATCACTGTGAGTGAATGATGACCACTG 1590
QY 1010 ATGTACAGCTTGTGATTAACAACCTTAACAAGAGCTGAAAAGCCCTGATGAAGCTTTGAA 1069
DB 1591 ATGTACAGCTTGTGATTAACAACCTTAACAAGAGCTGAAAAGCCCTGATGAAGCTTTGAA 1650
QY 1070 GGCATATCTTTATGAAAGTGTGACTAAAAAAGTCTTCCCAAGATTCAGTGGCATG 1129
DB 1651 GGCATATCTTTATGAAAGTGTGACTAAAAAAGTCTTCCCAAGATTCAGTGGCATG 1710
QY 1130 CCAGATTAAGCAAAATTTGGATCTGAAATGATTTGAGGTGTTCTTCCACAGACTTGA 1189
DB 1711 CCAGATTAAGCAAAATTTGGATCTGAAATGATTTGAGGTGTTCTTCCACAGACTTGA 1770
QY 1190 ATTGCTTCAAGCAGACGAGTATTAATAAATTTGGAAACAACAATTCAGGAGCTAT 1249
DB 1771 ATTGCTTCAAGCAGACGAGTATTAATAAATTTGGAAACAACAATTCAGGAGCTAT 1830
QY 1250 CCACTGATACAGTGTCTATGAAACATATGATGATGATGATGATGATGATGATGATGATG 1309
DB 1831 CCACTGATACAGTGTCTATGAAACATATGATGATGATGATGATGATGATGATGATGATG 1890
QY 1310 TTTAATATACCTCACTGTGAGCCCAAGTTCAGAGAGGATGATGATGATGATGATGATGATGAT 1369
DB 1891 TTTAATATACCTCACTGTGAGCCCAAGTTCAGAGAGGATGATGATGATGATGATGATGATGAT 1950
QY 1370 TCCATAGTGTCTTCTTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1429
DB 1951 TCCATAGTGTCTTCTTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2010
QY 1430 AAAATCTTACA 1439
DB 2011 AAAATCTTACA 2020

```

RESULT 14

ACA98192 standard; cDNA; 2558 BP.

ACA98192;

25-JUL-2003 (first entry)

Novel human secreted and transmembrane protein PRO739 cDNA.

Human; secreted and transmembrane protein; PRO; transgenic animal;

knockout; chromosome identification; tissue typing; tumour;

chondrocyte proliferation; chondrocyte differentiation;

tumour necrosis factor-alpha release stimulator; gene; ss.

Homo sapiens.

PN US2003036144-A1.
XX
PD 20-FEB-2003.
PF 01-JUL-2002; 2002US-00187601.
XX
PR 18-SEP-1997; 97US-0059263P.
PR 18-SEP-1997; 97US-0059266P.
PR 17-OCT-1997; 97US-0062250P.
PR 21-OCT-1997; 97US-0063486P.
PR 24-OCT-1997; 97US-0063120P.
PR 24-OCT-1997; 97US-0063121P.
PR 28-OCT-1997; 97US-0063540P.
PR 28-OCT-1997; 97US-0063541P.
PR 28-OCT-1997; 97US-0063544P.
PR 28-OCT-1997; 97US-0063564P.
PR 29-OCT-1997; 97US-0063734P.
PR 31-OCT-1997; 97US-0063870P.
PR 31-OCT-1997; 97US-0064103P.
PR 13-NOV-1997; 97US-0065311P.
PR 21-NOV-1997; 97US-0066120P.
PR 24-NOV-1997; 97US-0066466P.
PR 24-NOV-1997; 97US-0066772P.
PR 11-DEC-1997; 97US-0069335P.
PR 12-DEC-1997; 97US-0069425P.
PR 17-DEC-1997; 97US-0069870P.
PR 18-DEC-1997; 97US-0068017P.
PR 10-MAR-1998; 98US-0077450P.
PR 11-MAR-1998; 98US-0077632P.
PR 11-MAR-1998; 98US-0077649P.
PR 20-MAR-1998; 98US-0078886P.
PR 20-MAR-1998; 98US-0078939P.
PR 27-MAR-1998; 98US-0079664P.
PR 27-MAR-1998; 98US-0079786P.
PR 31-MAR-1998; 98US-0080107P.
PR 31-MAR-1998; 98US-0080194P.
PR 01-APR-1998; 98US-0080327P.
PR 08-APR-1998; 98US-0081049P.
PR 08-APR-1998; 98US-0081070P.
PR 09-APR-1998; 98US-0081195P.
PR 15-APR-1998; 98US-0081838P.
PR 21-APR-1998; 98US-0082568P.
PR 21-APR-1998; 98US-0082569P.
PR 22-APR-1998; 98US-0082704P.
PR 22-APR-1998; 98US-0082797P.
PR 28-APR-1998; 98US-0083322P.
PR 29-APR-1998; 98US-0083495P.
PR 29-APR-1998; 98US-0083496P.
PR 29-APR-1998; 98US-0083499P.
PR 29-APR-1998; 98US-0083559P.
PR 05-MAY-1998; 98US-0084366P.
PR 06-MAY-1998; 98US-0084414P.
PR 07-MAY-1998; 98US-0084639P.
PR 07-MAY-1998; 98US-0084640P.
PR 07-MAY-1998; 98US-0084643P.
PR 15-MAY-1998; 98US-0085579P.
PR 15-MAY-1998; 98US-0085580P.
PR 15-MAY-1998; 98US-0085582P.
PR 15-MAY-1998; 98US-0085700P.
PR 18-MAY-1998; 98US-0086023P.
PR 22-MAY-1998; 98US-0086392P.
PR 22-MAY-1998; 98US-0086486P.
PR 28-MAY-1998; 98US-0087098P.
PR 28-MAY-1998; 98US-0087208P.
PR 02-JUN-1998; 98US-0087609P.
PR 02-JUN-1998; 98US-0087759P.
PR 03-JUN-1998; 98US-0087827P.
PR 04-JUN-1998; 98US-0088025P.
PR 04-JUN-1998; 98US-0088028P.
PR 04-JUN-1998; 98US-0088029P.
PR 04-JUN-1998; 98US-0088033P.
PR 04-JUN-1998; 98US-0088326P.

PR 05-JUN-1998; 98US-0088167P.
PR 05-JUN-1998; 98US-0088202P.
PR 05-JUN-1998; 98US-0088212P.
PR 05-JUN-1998; 98US-0088217P.
PR 09-JUN-1998; 98US-0088655P.
PR 10-JUN-1998; 98US-0088722P.
PR 10-JUN-1998; 98US-0088738P.
PR 10-JUN-1998; 98US-0088740P.
PR 10-JUN-1998; 98US-0088811P.
PR 10-JUN-1998; 98US-0088824P.
PR 10-JUN-1998; 98US-0088825P.
PR 10-JUN-1998; 98US-0088826P.
PR 11-JUN-1998; 98US-0088861P.
PR 11-JUN-1998; 98US-0088863P.
PR 11-JUN-1998; 98US-0088876P.
PR 12-JUN-1998; 98US-0089090P.
PR 12-JUN-1998; 98US-0089105P.
PR 12-JUN-1998; 98US-008912P.
PR 16-JUN-1998; 98US-0089514P.
PR 17-JUN-1998; 98US-0089538P.
PR 17-JUN-1998; 98US-0089598P.
PR 17-JUN-1998; 98US-0089653P.
PR 18-JUN-1998; 98US-0089908P.
PR 19-JUN-1998; 98US-0089952P.
PR 22-JUN-1998; 98US-0090246P.
PR 22-JUN-1998; 98US-0090252P.
PR 22-JUN-1998; 98US-0090254P.
PR 24-JUN-1998; 98US-0090429P.
PR 24-JUN-1998; 98US-0090435P.
PR 24-JUN-1998; 98US-0090444P.
PR 24-JUN-1998; 98US-0090461P.
PR 24-JUN-1998; 98US-0090535P.
PR 24-JUN-1998; 98US-0090540P.
PR 25-JUN-1998; 98US-0090676P.
PR 25-JUN-1998; 98US-0090678P.
PR 25-JUN-1998; 98US-0090688P.
PR 25-JUN-1998; 98US-0090690P.
PR 25-JUN-1998; 98US-0090694P.
PR 25-JUN-1998; 98US-0090695P.
PR 25-JUN-1998; 98US-0090696P.
PR 26-JUN-1998; 98US-009105413.
PR 26-JUN-1998; 98US-0091062P.
PR 26-JUN-1998; 98US-0091063P.
PR 26-JUN-1998; 98US-0091010P.
PR 01-JUL-1998; 98US-0091359P.
PR 01-JUL-1998; 98US-0091544P.
PR 02-JUL-1998; 98US-0091478P.
PR 02-JUL-1998; 98US-0091486P.
PR 02-JUL-1998; 98US-0091626P.
PR 02-JUL-1998; 98US-0091628P.
PR 02-JUL-1998; 98US-0091632P.
PR 24-JUL-1998; 98US-0094006P.
PR 04-AUG-1998; 98US-0095282P.
PR 10-AUG-1998; 98US-0095998P.
PR 10-AUG-1998; 98US-0096012P.
PR 17-AUG-1998; 98US-0096757P.
PR 17-AUG-1998; 98US-0096766P.
PR 17-AUG-1998; 98US-0096867P.
PR 17-AUG-1998; 98US-0096891P.
PR 17-AUG-1998; 98US-0096897P.
PR 18-AUG-1998; 98US-0096949P.
PR 18-AUG-1998; 98US-0096959P.
PR 18-AUG-1998; 98US-0097022P.
PR 25-AUG-1998; 98US-0097952P.
PR 26-AUG-1998; 98US-0097954P.
PR 26-AUG-1998; 98US-0097955P.
PR 26-AUG-1998; 98US-0097971P.
PR 26-AUG-1998; 98US-0097974P.
PR 26-AUG-1998; 98US-0098014P.
PR 01-SEP-1998; 98US-0098716P.
PR 01-SEP-1998; 98US-0098723P.
PR 02-SEP-1998; 98US-0098803P.
PR 02-SEP-1998; 98US-0098821P.

```

PR 02-SEP-1998; 98US-0098843P.
PR 09-SEP-1998; 98US-0099602P.
PR 10-SEP-1998; 98US-0099741P.
PR 10-SEP-1998; 98US-0099754P.
PR 10-SEP-1998; 98US-0099763P.
PR 10-SEP-1998; 98US-0099812P.
PR 15-SEP-1998; 98US-0100388P.
PR 16-SEP-1998; 98US-0100662P.
PR 16-SEP-1998; 98US-0100664P.
PR 16-SEP-1998; 98US-0101751P.
PR 16-SEP-1998; 98US-0101751P.
PR 16-SEP-1998; 98US-0101751P.
PR 17-SEP-1998; 98US-0100684P.
PR 17-SEP-1998; 98US-0100683P.
PR 17-SEP-1998; 98US-0100930P.
PR 17-SEP-1998; 98US-0100930P.
PR 18-SEP-1998; 98US-0100849P.
PR 18-SEP-1998; 98US-0101014P.
PR 18-SEP-1998; 98US-0101068P.
PR 23-SEP-1998; 98US-0101471P.
PR 23-SEP-1998; 98US-0101472P.
PR 23-SEP-1998; 98US-0101475P.
PR 23-SEP-1998; 98US-0101477P.
PR 24-SEP-1998; 98US-0101738P.
PR 24-SEP-1998; 98US-0101739P.
PR 24-SEP-1998; 98US-0101743P.
PR 24-SEP-1998; 98US-0101922P.
PR 25-SEP-1998; 98US-0101786P.
PR 25-SEP-1998; 98US-0102207P.
PR 25-SEP-1998; 98US-0102240P.
PR 25-SEP-1998; 98US-0102330P.
PR 29-SEP-1998; 98US-0102331P.
PR 30-SEP-1998; 98US-0102487P.
PR 30-SEP-1998; 98US-0102570P.
PR 30-SEP-1998; 98US-0102571P.
PR 01-OCT-1998; 98US-0102684P.
PR 01-OCT-1998; 98US-0102687P.
PR 02-OCT-1998; 98US-0102965P.
PR 06-OCT-1998; 98US-0103258P.
PR 06-OCT-1998; 98US-0103449P.

```

Query Match 37.2%; Score 742; DB 7; Length 2558;
 Best Local Similarity 99.3%; Pred. No. 2.5e-265;
 Matches 1142; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

```

QY 290 GACCCGCTGACTACTTTGCTCCGGGGTGAAGCTTACCAAGCGTTGGAATCTTCT 349
DB 871 GACCCGCTGACTACTTTGCTCCGGGGTGAAGCTTACCAAGCGTTGGAATCTTCT 930
QY 350 GGAGGTGTGTCCAGCGTGGAAATATCTTAATCTGAATGATGAGAGACCTCTCACA 409
DB 931 GGAGGTGTGTCCAGCGTGGAAATATCTTAATCTGAATGATGAGAGACCTCTCACA 930
QY 410 CCAAGTTTACCAGCAATGAAATACGTTTATGAGCATGGAATTCAGAGGCTGTGCTT 469
DB 991 CCAAGTTTACCAGCAATGAAATACGTTTATGAGCATGGAATTCAGAGGCTGTGCTT 1050
QY 470 CCAAGTATTCCTGTCTCATCCAGTTGATATATGATGATGATGATGATGATGATG 529
DB 1051 CCAAGTATTCCTGTCTCATCCAGTTGATATATGATGATGATGATGATGATGATG 1110
QY 530 GGTGTCTCAGACACCAAGATGATGATGATGATGATGATGATGATGATGATGATG 589
DB 1111 GGTGTCTCAGACACCAAGATGATGATGATGATGATGATGATGATGATGATGATG 1170
QY 590 GGAAGTGTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 649
DB 1171 GGAAGTGTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1230
QY 650 AATGAAGTGAAGAAATTTCAATGATGATGATGATGATGATGATGATGATGATGATG 709
DB 1231 AATGAAGTGAAGAAATTTCAATGATGATGATGATGATGATGATGATGATGATGATG 1290
QY 710 AGATATGTCAATTCGGAGGTGACCGGACCTCAATGGGTGTGATGATGATGATGATG 769

```

```

DB 1291 AGATATGTCAATTCGGAGGTGACCGGACCTCAATGGGTGTGATGATGATGATGATG 1350
QY 770 AGTGAAGCAGCTGTTGTTCTATGAAACTGTGAGAGCTTTGAACTGAAAAAGAAAGG 829
DB 1351 AGTGAAGCAGCTGTTGTTCTATGAAATGTGAGAGCTTTGAACTGAAAAAGAAAGG 1410
QY 830 TGGAGACCTGAGAAACAAATTTGTTGCAAGCTGGGATGACAAAGAAATTTGCTTCT 889
DB 1411 TGGAGACCTGAGAAACAAATTTGTTGCAAGCTGGGATGACAAAGAAATTTGCTTCT 1470
QY 890 GGTCTTACTAGTGGGAGAGATTAATCAAGCTCCCTCAAGAGCTGGCGCTTAT 949
DB 1471 GGTCTTACTAGTGGGAGAGAGAAATCAAGCTCCCTCAAGAGCTGGCGCTTAT 1530
QY 950 ATTATGCTGACTGATCTATATGAAAGAACTACCTGTGAGAGTTGATGATGATGATG 1009
DB 1531 ATTATGCTGACTGATCTATATGAAAGAACTACCTGTGAGAGTTGATGATGATGATG 1590
QY 1010 ATGTACAGCTTGTATTAACCTTAACAAAGAGCTGAAAGCCCTGATGATGATGATG 1069
DB 1591 ATGTACAGCTTGTATCAACCTTAACAAAGAGCTGAAAGCCCTGATGATGATGATG 1650
QY 1070 GGCATAATCTTATGATAAGTTGAACTAAAGATCCCTCCAGAGTTCAATGATG 1129
DB 1651 GGCATAATCTTATGATAAGTTGAACTAAAGATCCCTCCAGAGTTCAATGATG 1710
QY 1130 CCAAGATTAACAAATTTGGATCTGAAATGATGATGATGATGATGATGATGATG 1189
DB 1711 CCAAGATTAACAAATTTGGATCTGAAATGATGATGATGATGATGATGATGATG 1770
QY 1190 ATTGCTTCAAGGAGAGAGCTATTAATAATTTGGAAACAAATTCACGCGTAT 1249
DB 1771 ATTGCTTCAAGGAGAGAGCTATTAATAATTTGGAAACAAATTCACGCGTAT 1830
QY 1250 CCACTGATCAGAGTGTCTATGAACATATGATGATGATGATGATGATGATGATG 1309
DB 1831 CCACTGATCAGAGTGTCTATGAACATATGATGATGATGATGATGATGATGATG 1890
QY 1310 TTTAAATATCACTCACTGTGCCCAGGTTGAGAGAGATGATGATGATGATGATG 1369
DB 1891 TTTAAATATCACTCACTGTGCCCAGGTTGAGAGAGATGATGATGATGATGATG 1950
QY 1370 TCCATGATGCTCCCTTTGATGATGATGATGATGATGATGATGATGATGATG 1429
DB 1951 TCCATGATGCTCCCTTTGATGATGATGATGATGATGATGATGATGATGATG 2010
QY 1430 AAAATCTACA 1439
DB 2011 AAAATCTACA 2020

```

RESULT 15
 ACA93834
 ID ACA93834 standard; cDNA; 2558 BP.
 XX
 AC ACA93834;
 XX
 DT 18-JUL-2003 (first entry)
 XX
 DE Human secreted/transmembrane protein (PRO) cDNA #52.
 XX
 KW Human; ss; gene; secreted protein; transmembrane protein; PRO; tumour;
 KW Proliferation; differentiation; chondrocyte cell; TNF-alpha;
 KW tumour necrosis factor-alpha; gene therapy.
 XX
 OS Homo sapiens.
 XX
 PN US2003036149-A1.
 XX
 PD 20-FEB-2003.
 XX
 PF 02-JUL-2002; 2002US-00187746.

XX 18-SEP-1997; 97US-0059263P.
PR 18-SEP-1997; 97US-0059266P.
PR 17-OCT-1997; 97US-0062250P.
PR 21-OCT-1997; 97US-0063486P.
PR 24-OCT-1997; 97US-0063120P.
PR 24-OCT-1997; 97US-0063121P.
PR 28-OCT-1997; 97US-0063540P.
PR 28-OCT-1997; 97US-0063541P.
PR 28-OCT-1997; 97US-0063544P.
PR 28-OCT-1997; 97US-0063564P.
PR 29-OCT-1997; 97US-0063734P.
PR 31-OCT-1997; 97US-0063870P.
PR 31-OCT-1997; 97US-0064103P.
PR 13-NOV-1997; 97US-0065311P.
PR 21-NOV-1997; 97US-0066120P.
PR 24-NOV-1997; 97US-0066466P.
PR 24-NOV-1997; 97US-0066772P.
PR 11-DEC-1997; 97US-0069335P.
PR 12-DEC-1997; 97US-0069425P.
PR 17-DEC-1997; 97US-0069870P.
PR 18-DEC-1997; 97US-0068017P.
PR 10-MAR-1998; 98US-0077450P.
PR 11-MAR-1998; 98US-0077632P.
PR 11-MAR-1998; 98US-0077649P.
PR 20-MAR-1998; 98US-0078886P.
PR 20-MAR-1998; 98US-0078939P.
PR 27-MAR-1998; 98US-0079664P.
PR 27-MAR-1998; 98US-0079786P.
PR 31-MAR-1998; 98US-0080107P.
PR 31-MAR-1998; 98US-0080194P.
PR 01-APR-1998; 98US-0080327P.
PR 01-APR-1998; 98US-0080333P.
PR 08-APR-1998; 98US-0081049P.
PR 08-APR-1998; 98US-0081070P.
PR 09-APR-1998; 98US-0081195P.
PR 15-APR-1998; 98US-0081838P.
PR 21-APR-1998; 98US-0082568P.
PR 21-APR-1998; 98US-0082569P.
PR 22-APR-1998; 98US-0082704P.
PR 22-APR-1998; 98US-0082797P.
PR 28-APR-1998; 98US-0083322P.
PR 28-APR-1998; 98US-0083495P.
PR 29-APR-1998; 98US-0083496P.
PR 29-APR-1998; 98US-0083499P.
PR 29-APR-1998; 98US-0083559P.
PR 05-MAY-1998; 98US-0084366P.
PR 06-MAY-1998; 98US-0084414P.
PR 07-MAY-1998; 98US-0084639P.
PR 07-MAY-1998; 98US-0084640P.
PR 07-MAY-1998; 98US-0084643P.
PR 15-MAY-1998; 98US-0085579P.
PR 15-MAY-1998; 98US-0085580P.
PR 15-MAY-1998; 98US-0085582P.
PR 15-MAY-1998; 98US-0085700P.
PR 18-MAY-1998; 98US-0086023P.
PR 22-MAY-1998; 98US-0086392P.
PR 22-MAY-1998; 98US-0086486P.
PR 28-MAY-1998; 98US-0087098P.
PR 28-MAY-1998; 98US-0087208P.
PR 02-JUN-1998; 98US-0087609P.
PR 02-JUN-1998; 98US-0087759P.
PR 03-JUN-1998; 98US-0087827P.
PR 04-JUN-1998; 98US-0088025P.
PR 04-JUN-1998; 98US-0088028P.
PR 04-JUN-1998; 98US-0088029P.
PR 04-JUN-1998; 98US-0088033P.
PR 04-JUN-1998; 98US-0088326P.
PR 05-JUN-1998; 98US-0088167P.
PR 05-JUN-1998; 98US-0088202P.
PR 05-JUN-1998; 98US-0088212P.
PR 05-JUN-1998; 98US-0088217P.
PR 09-JUN-1998; 98US-0088655P.

PR 10-JUN-1998; 98US-0088722P.
PR 10-JUN-1998; 98US-0088738P.
PR 10-JUN-1998; 98US-0088740P.
PR 10-JUN-1998; 98US-0088811P.
PR 10-JUN-1998; 98US-0088824P.
PR 10-JUN-1998; 98US-0088825P.
PR 10-JUN-1998; 98US-0088826P.
PR 11-JUN-1998; 98US-0088861P.
PR 11-JUN-1998; 98US-0088863P.
PR 11-JUN-1998; 98US-0088876P.
PR 12-JUN-1998; 98US-0089090P.
PR 12-JUN-1998; 98US-0089105P.
PR 16-JUN-1998; 98US-0089512P.
PR 16-JUN-1998; 98US-0089514P.
PR 17-JUN-1998; 98US-0089538P.
PR 17-JUN-1998; 98US-0089598P.
PR 17-JUN-1998; 98US-0089653P.
PR 18-JUN-1998; 98US-0089908P.
PR 19-JUN-1998; 98US-0089952P.
PR 22-JUN-1998; 98US-0090246P.
PR 22-JUN-1998; 98US-0090252P.
PR 22-JUN-1998; 98US-0090254P.
PR 24-JUN-1998; 98US-0090429P.
PR 24-JUN-1998; 98US-0090435P.
PR 24-JUN-1998; 98US-0090444P.
PR 24-JUN-1998; 98US-0090461P.
PR 24-JUN-1998; 98US-0090535P.
PR 24-JUN-1998; 98US-0090540P.
PR 25-JUN-1998; 98US-0090676P.
PR 25-JUN-1998; 98US-0090678P.
PR 25-JUN-1998; 98US-0090688P.
PR 25-JUN-1998; 98US-0090690P.
PR 25-JUN-1998; 98US-0090694P.
PR 25-JUN-1998; 98US-0090695P.
PR 25-JUN-1998; 98US-0090696P.
PR 26-JUN-1998; 98US-00105413.
PR 26-JUN-1998; 98US-0090862P.
PR 26-JUN-1998; 98US-0090863P.
PR 26-JUN-1998; 98US-0091010P.
PR 01-JUL-1998; 98US-0091359P.
PR 01-JUL-1998; 98US-0091544P.
PR 02-JUL-1998; 98US-0091478P.
PR 02-JUL-1998; 98US-0091486P.
PR 02-JUL-1998; 98US-0091626P.
PR 02-JUL-1998; 98US-0091628P.
PR 02-JUL-1998; 98US-0091632P.
PR 24-JUL-1998; 98US-0094006P.
PR 04-AUG-1998; 98US-0095282P.
PR 10-AUG-1998; 98US-0095598P.
PR 10-AUG-1998; 98US-0096012P.
PR 17-AUG-1998; 98US-0096757P.
PR 17-AUG-1998; 98US-0096766P.
PR 17-AUG-1998; 98US-0096867P.
PR 17-AUG-1998; 98US-0096891P.
PR 17-AUG-1998; 98US-0096897P.
PR 18-AUG-1998; 98US-0096949P.
PR 18-AUG-1998; 98US-0096959P.
PR 18-AUG-1998; 98US-0097022P.
PR 26-AUG-1998; 98US-0097952P.
PR 26-AUG-1998; 98US-0097954P.
PR 26-AUG-1998; 98US-0097955P.
PR 26-AUG-1998; 98US-0097971P.
PR 26-AUG-1998; 98US-0097974P.
PR 26-AUG-1998; 98US-0098014P.
PR 01-SEP-1998; 98US-0098716P.
PR 01-SEP-1998; 98US-0098723P.
PR 02-SEP-1998; 98US-0098803P.
PR 02-SEP-1998; 98US-0098821P.
PR 02-SEP-1998; 98US-0098843P.
PR 09-SEP-1998; 98US-0098602P.
PR 10-SEP-1998; 98US-0099741P.
PR 10-SEP-1998; 98US-0099754P.
PR 10-SEP-1998; 98US-0099763P.

Query Match	37.2%	Score	742	DB	7	Length	2558
Best Local Similarity	99.3%	Pred. No.	2.5e-265				
Matches 1142; Conservative	0	Mismatches	8	Indels	0	Gaps	0

[illegible]

Search completed: February 17, 2004, 17:08:58
Job time : 517 secs

THIS PAGE BLANK (uspto)

GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: February 17, 2004, 16:54:35 ; Search time 1264 Seconds
(without alignments)
5075.178 Million cell updates/sec

Title: US-09-973-382C-1

Perfect score: 1992
Sequence: 1 agcaatattcactaccacaca.....taaaaaaaaaaaaaaaaaa 1992

Scoring table: OLIGO_NUC
Gapop 60.0 , Gapext 60.0

Searched: 2115063 seqs, 1610196982 residues

Word size: 0

Total number of hits satisfying chosen parameters: 4230126

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Listing first 45 summaries

Database:

Published Applications NA:*

- 1: /cgn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq:*
- 2: /cgn2_6/ptodata/1/pubpna/PTC_NEW_PUB.seq:*
- 3: /cgn2_6/ptodata/1/pubpna/US06_NEW_PUB.seq:*
- 4: /cgn2_6/ptodata/1/pubpna/US06_PUBCOMB.seq:*
- 5: /cgn2_6/ptodata/1/pubpna/US07_NEW_PUB.seq:*
- 6: /cgn2_6/ptodata/1/pubpna/PTCUS_PUBCOMB.seq:*
- 7: /cgn2_6/ptodata/1/pubpna/US08_NEW_PUB.seq:*
- 8: /cgn2_6/ptodata/1/pubpna/US08_PUBCOMB.seq:*
- 9: /cgn2_6/ptodata/1/pubpna/US09_PUBCOMB.seq:*
- 10: /cgn2_6/ptodata/1/pubpna/US09B_PUBCOMB.seq:*
- 11: /cgn2_6/ptodata/1/pubpna/US09C_PUBCOMB.seq:*
- 12: /cgn2_6/ptodata/1/pubpna/US09_NEW_PUB.seq:*
- 13: /cgn2_6/ptodata/1/pubpna/US10A_PUBCOMB.seq:*
- 14: /cgn2_6/ptodata/1/pubpna/US10B_PUBCOMB.seq:*
- 15: /cgn2_6/ptodata/1/pubpna/US10C_PUBCOMB.seq:*
- 16: /cgn2_6/ptodata/1/pubpna/US10_NEW_PUB.seq:*
- 17: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq:*
- 18: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	742	37.2	2558	9	US-09-978-295A-617
2	742	37.2	2558	9	US-09-978-697-617
3	742	37.2	2558	9	US-09-978-192A-617
4	742	37.2	2558	9	US-09-999-832A-617
5	742	37.2	2558	10	US-09-978-189-617
6	742	37.2	2558	10	US-09-978-608A-617
7	742	37.2	2558	10	US-09-978-585A-617
8	742	37.2	2558	10	US-09-978-191A-617
9	742	37.2	2558	10	US-09-978-403A-617
10	742	37.2	2558	10	US-09-978-564A-617
11	742	37.2	2558	10	US-09-999-833A-617
12	742	37.2	2558	10	US-09-981-915A-617
13	742	37.2	2558	10	US-09-978-824-617
14	742	37.2	2558	10	US-09-918-585A-617
15	742	37.2	2558	10	US-09-978-423A-617

16	742	37.2	2558	10	US-09-978-193A-617	Sequence 617, App
17	742	37.2	2558	10	US-09-999-830A-617	Sequence 617, App
18	742	37.2	2558	10	US-09-978-757A-617	Sequence 617, App
19	742	37.2	2558	10	US-09-978-187B-617	Sequence 617, App
20	742	37.2	2558	10	US-09-978-643A-617	Sequence 617, App
21	742	37.2	2558	10	US-09-978-375A-617	Sequence 617, App
22	742	37.2	2558	10	US-09-978-298A-617	Sequence 617, App
23	742	37.2	2558	10	US-09-978-188A-617	Sequence 617, App
24	742	37.2	2558	10	US-09-978-681A-617	Sequence 617, App
25	742	37.2	2558	10	US-09-978-194A-617	Sequence 617, App
26	742	37.2	2558	10	US-09-999-829A-617	Sequence 617, App
27	742	37.2	2558	10	US-09-978-299A-617	Sequence 617, App
28	742	37.2	2558	10	US-09-978-544A-617	Sequence 617, App
29	742	37.2	2558	10	US-09-978-665A-617	Sequence 617, App
30	742	37.2	2558	10	US-09-978-802A-617	Sequence 617, App
31	742	37.2	2558	13	US-10-052-586-103	Sequence 103, App
32	742	37.2	2558	14	US-10-174-590-103	Sequence 103, App
33	742	37.2	2558	14	US-10-176-758-103	Sequence 103, App
34	742	37.2	2558	14	US-10-175-737-103	Sequence 103, App
35	742	37.2	2558	14	US-10-173-706-103	Sequence 103, App
36	742	37.2	2558	14	US-10-175-738-103	Sequence 103, App
37	742	37.2	2558	14	US-10-175-752-103	Sequence 103, App
38	742	37.2	2558	14	US-10-176-482-103	Sequence 103, App
39	742	37.2	2558	14	US-10-176-757-103	Sequence 103, App
40	742	37.2	2558	14	US-10-176-913-103	Sequence 103, App
41	742	37.2	2558	14	US-10-180-552-103	Sequence 103, App
42	742	37.2	2558	14	US-10-180-557-103	Sequence 103, App
43	742	37.2	2558	14	US-10-173-700-103	Sequence 103, App
44	742	37.2	2558	14	US-10-174-572-103	Sequence 103, App
45	742	37.2	2558	14	US-10-174-579-103	Sequence 103, App

ALIGNMENTS

RESULT 1
US-09-978-295A-617
Sequence 617, Application US/09978295A
Patent No. US20020156006A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi
APPLICANT: Baker Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Bacon, Dan
APPLICANT: Ferrara, Napoleon
APPLICANT: Filvaroff, Billen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gottlieb, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gueney, Austin L.
APPLICANT: Hillan, Kenneth J
APPLICANT: Kijavlin, Ivar J.
APPLICANT: Kuo, Sophia S.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James/
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OR INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2630P1C1
CURRENT APPLICATION NUMBER: US/09/978, 295A
CURRENT FILING DATE: 2001-10-15
PRIOR APPLICATION NUMBER: 09/918585

Page 2

PRIOR APPLICATION NUMBER: 60/0811229	
PRIOR FILING DATE: 1998-04-09	
PRIOR APPLICATION NUMBER: 60/0819555	
PRIOR FILING DATE: 1998-04-15	
PRIOR APPLICATION NUMBER: 60/0818171	
PRIOR FILING DATE: 1998-04-15	
PRIOR APPLICATION NUMBER: 60/0818119	
PRIOR FILING DATE: 1998-04-15	
PRIOR APPLICATION NUMBER: 60/0819522	
PRIOR FILING DATE: 1998-04-15	
PRIOR APPLICATION NUMBER: 60/0818348	
PRIOR FILING DATE: 1998-04-15	
PRIOR APPLICATION NUMBER: 60/0825568	
PRIOR FILING DATE: 1998-04-21	
PRIOR APPLICATION NUMBER: 60/0825659	
PRIOR FILING DATE: 1998-04-21	
PRIOR APPLICATION NUMBER: 60/0827054	
PRIOR FILING DATE: 1998-04-22	
PRIOR APPLICATION NUMBER: 60/0828044	
PRIOR FILING DATE: 1998-04-22	
PRIOR APPLICATION NUMBER: 60/0827000	
PRIOR FILING DATE: 1998-04-22	
PRIOR APPLICATION NUMBER: 60/0827977	
PRIOR FILING DATE: 1998-04-22	
PRIOR APPLICATION NUMBER: 60/0827666	
PRIOR FILING DATE: 1998-04-23	
PRIOR APPLICATION NUMBER: 60/0833366	
PRIOR FILING DATE: 1998-04-27	
PRIOR APPLICATION NUMBER: 60/0833222	
PRIOR FILING DATE: 1998-04-28	
PRIOR APPLICATION NUMBER: 60/0833922	
PRIOR FILING DATE: 1998-04-29	
PRIOR APPLICATION NUMBER: 60/0834955	
PRIOR FILING DATE: 1998-04-29	
PRIOR APPLICATION NUMBER: 60/0834966	
PRIOR FILING DATE: 1998-04-29	
PRIOR APPLICATION NUMBER: 60/0834999	
PRIOR FILING DATE: 1998-04-29	
PRIOR APPLICATION NUMBER: 60/0835545	
PRIOR FILING DATE: 1998-04-29	
PRIOR APPLICATION NUMBER: 60/0835554	
PRIOR FILING DATE: 1998-04-29	
PRIOR APPLICATION NUMBER: 60/0835566	
PRIOR FILING DATE: 1998-04-30	
PRIOR APPLICATION NUMBER: 60/0835559	
PRIOR FILING DATE: 1998-04-29	
PRIOR APPLICATION NUMBER: 60/0835000	
PRIOR FILING DATE: 1998-04-29	
PRIOR APPLICATION NUMBER: 60/0837422	
PRIOR FILING DATE: 1998-04-30	
PRIOR APPLICATION NUMBER: 60/0844411	
PRIOR FILING DATE: 1998-05-06	
PRIOR APPLICATION NUMBER: 60/0846377	
PRIOR FILING DATE: 1998-05-07	
PRIOR APPLICATION NUMBER: 60/0846399	
PRIOR FILING DATE: 1998-05-07	
PRIOR APPLICATION NUMBER: 60/0846460	
PRIOR FILING DATE: 1998-05-07	
PRIOR APPLICATION NUMBER: 60/0845988	
PRIOR FILING DATE: 1998-05-07	
PRIOR APPLICATION NUMBER: 60/0846000	
PRIOR FILING DATE: 1998-05-07	
PRIOR APPLICATION NUMBER: 60/0846277	
PRIOR FILING DATE: 1998-05-07	
PRIOR APPLICATION NUMBER: 60/0846433	
PRIOR FILING DATE: 1998-05-07	
PRIOR APPLICATION NUMBER: 60/0853399	
PRIOR FILING DATE: 1998-05-13	
PRIOR APPLICATION NUMBER: 60/0853388	

PRIOR FILING DATE: 1998-05-13
 PRIOR APPLICATION NUMBER: 60/085323
 PRIOR FILING DATE: 1998-05-13
 PRIOR APPLICATION NUMBER: 60/085582
 PRIOR FILING DATE: 1998-05-15
 PRIOR APPLICATION NUMBER: 60/085700
 PRIOR FILING DATE: 1998-05-15
 PRIOR APPLICATION NUMBER: 60/085689
 PRIOR FILING DATE: 1998-05-15
 PRIOR APPLICATION NUMBER: 60/085579
 PRIOR FILING DATE: 1998-05-15
 PRIOR APPLICATION NUMBER: 60/085580
 PRIOR FILING DATE: 1998-05-15
 PRIOR APPLICATION NUMBER: 60/085573
 PRIOR FILING DATE: 1998-05-15
 PRIOR APPLICATION NUMBER: 60/085704
 PRIOR FILING DATE: 1998-05-15
 PRIOR APPLICATION NUMBER: 60/085697

Query Match 37.2%; Score 742; DB 9; Length 2558;
 Best Local Similarity 99.3%; Pred. No. 0;
 Matches 1142; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 290 GACCTGCTGACTACTTCTGCTGCGGTGAAGTCTATCCAGACGGTTGGAATCTTCT 349
 DB 871 GACCTGCTGACTACTTCTGCTGCGGTGAAGTCTATCCAGACGGTTGGAATCTTCT 930
 QY 350 GGAGGTGTGTCCAGCGTGGAAATATCTTAATCTGAATGTGTGAGAGACCTCTCA 409
 DB 931 GGAGGTGTGTCCAGCGTGGAAATATCTTAATCTGAATGTGTGAGAGACCTCTCA 990
 QY 410 CCAAGTTACCGAGCAATGAATACGTTATAGGATGGAATGGAGGCTGTGTGCTT 469
 DB 991 CCAAGTTACCGAGCAATGAATACGTTATAGGATGGAATGGAGGCTGTGTGCTT 1060
 QY 470 CCAAGTTCTGTTCATCCAGTTGATGATGATGATGATGATGATGATGATGATGATG 529
 DB 1051 CCAAGTTCTGTTCATCCAGTTGATGATGATGATGATGATGATGATGATGATGATG 1110
 QY 530 GGTGGCTCAGACCAACAGATGAGAGTGTGAGAGAGAGAGAGAGAGAGAGAGAGAG 589
 DB 1111 GGTGGCTCAGACCAACAGATGAGAGTGTGAGAGAGAGAGAGAGAGAGAGAGAGAG 1170
 QY 590 GGAAGCTGCTTACTGGAACCTTTCTACACAAAAGTCAAGATGACATCCACTACC 649
 DB 1171 GGAAGCTGCTTACTGGAACCTTTCTACACAAAAGTCAAGATGACATCCACTACC 1230
 QY 650 AATGAAGTGAAGAAATTTCAATGTATGATGATGATGATGATGATGATGATGATGATG 709
 DB 1231 AATGAAGTGAAGAAATTTCAATGTATGATGATGATGATGATGATGATGATGATGATG 1290
 QY 710 AGATATGTCAATTCGGAGAGTCAACCGGAGTCAATGGGTGTTGGTGTATTTAGACCTCAG 769
 DB 1291 AGATATGTCAATTCGGAGAGTCAACCGGAGTCAATGGGTGTTGGTGTATTTAGACCTCAG 1350
 QY 770 AGTGAAGCAGCTGTTGTTCAATGAATGTGAGAGCTTTGGAACATGGAAGAGAGAGG 829
 DB 1351 AGTGAAGCAGCTGTTGTTCAATGAATGTGAGAGCTTTGGAACATGGAAGAGAGAGG 1410
 QY 830 TGAAGACCTGAAGAAATTTGTTGCAAGCTGGAGTGAAGAGATTTGCTTCTT 889
 DB 1411 TGAAGACCTGAAGAAATTTGTTGCAAGCTGGAGTGAAGAGATTTGCTTCTT 1470
 QY 890 GGTTCCTACTAGTGGGAGAGAGATTAATCAAGACTCCTTCAAGAGCTGGCTGGCTTAT 949
 DB 1471 GGTTCCTACTAGTGGGAGAGAGATTAATCAAGACTCCTTCAAGAGCTGGCTGGCTTAT 1530
 QY 950 ATTAAGCTGATCATATATGAAGAGAACTACACTGAGAGTGAATTTAGACCACTG 1009
 DB 1531 ATTAAGCTGATCATATATGAAGAGAACTACACTGAGAGTGAATTTAGACCACTG 1590
 QY 1010 ATGTACAGCTTGTATCAACCTTAACAAAGAGCTGAAGAGCTGTATGAAGCTTTGAA 1069

DB 1591 ATGTACAGCTTGTATCAACCTTAACAAAGAGCTGAAGAGCTGTATGAAGCTTTGAA 1650
 QY 1070 GGCAAACTCTTTATGAAGTGAATGAATGAATGAATGAATGAATGAATGAATGAATGA 1129
 DB 1651 GGCAAACTCTTTATGAAGTGAATGAATGAATGAATGAATGAATGAATGAATGAATGA 1710
 QY 1130 CCCAGATTAAGCAATTTGGGATCTGGAATGATTTTGAAGTGTCTTCCAGAGCTTGA 1169
 DB 1711 CCCAGATTAAGCAATTTGGGATCTGGAATGATTTTGAAGTGTCTTCCAGAGCTTGA 1770
 QY 1190 ATTGCTTCAGGAGAGAGAGAGATTAATGAATGAATGAATGAATGAATGAATGAATGA 1249
 DB 1771 ATTGCTTCAGGAGAGAGAGAGATTAATGAATGAATGAATGAATGAATGAATGAATGA 1830
 QY 1250 CCACTGTATCAAGTGTCTATGAATGAATGAATGAATGAATGAATGAATGAATGAATG 1309
 DB 1831 CCACTGTATCAAGTGTCTATGAATGAATGAATGAATGAATGAATGAATGAATGAATG 1890
 QY 1310 TTTAAATATACCTCAGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1369
 DB 1891 TTTAAATATACCTCAGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1950
 QY 1370 TCCATAGTGTCTCTTTTGAATGTGAGAGATTAATGCTGATTTTGAAGAAATGATGCTGAC 1429
 DB 1951 TCCATAGTGTCTCTCTTTTGAATGTGAGAGATTAATGCTGATTTTGAAGAAATGATGCTGAC 2010
 QY 1430 AAAATCTACA 1439
 DB 2011 AAAATCTACA 2020

RESULT 2
 US-09-978-697-617
 Sequence 617, Application US/09978697
 Patent No. US20020169284A1
 GENERAL INFORMATION:
 APPLICANT: Ashkenazi, Avi
 APPLICANT: Baker Kevin P.
 APPLICANT: Botstein, David
 APPLICANT: Desnoyers, Luc
 APPLICANT: Eaton, Dan
 APPLICANT: Ferrara, Napoleon
 APPLICANT: Filvaroff, Ellen
 APPLICANT: Fong, Sherman
 APPLICANT: Gao, Wei-Qiang
 APPLICANT: Gerber, Hanspeter
 APPLICANT: Gerlitsen, Mary E.
 APPLICANT: Goddard, Audrey
 APPLICANT: Godowski, Paul J.
 APPLICANT: Grimaldi, J. Christopher
 APPLICANT: Gunney, Austin L.
 APPLICANT: Hillan, Kenneth J.
 APPLICANT: Kijavlin, Ivar J.
 APPLICANT: Kuo, Sophia S.
 APPLICANT: Nadler, Mary A.
 APPLICANT: Pan, James
 APPLICANT: Paoni, Nicholas F.
 APPLICANT: Roy, Margaret Ann
 APPLICANT: Shelton, David L.
 APPLICANT: Stewart, Timothy A.
 APPLICANT: Tumas, Daniel
 APPLICANT: Williams, P. Mickey
 APPLICANT: Wood, William I.
 TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
 FILE REFERENCE: P2630PIC27
 CURRENT APPLICATION NUMBER: US/09/978, 697
 PRIOR APPLICATION NUMBER: 2001-10-16
 PRIOR FILING DATE: 2001-07-30
 PRIOR APPLICATION NUMBER: 60/062250
 PRIOR FILING DATE: 1997-10-17
 PRIOR APPLICATION NUMBER: 60/064249


```

: PRIOR FILING DATE: 1998-05-15
: PRIOR APPLICATION NUMBER: 60/085700
: PRIOR FILING DATE: 1998-05-15
: PRIOR APPLICATION NUMBER: 60/085689
: PRIOR FILING DATE: 1998-05-15
: PRIOR APPLICATION NUMBER: 60/085579
: PRIOR FILING DATE: 1998-05-15
: PRIOR APPLICATION NUMBER: 60/085580
: PRIOR FILING DATE: 1998-05-15
: PRIOR APPLICATION NUMBER: 60/085573
: PRIOR FILING DATE: 1998-05-15
: PRIOR APPLICATION NUMBER: 60/085704
: PRIOR FILING DATE: 1998-05-15
: PRIOR APPLICATION NUMBER: 60/085697
:

```

Query Match	37.2%	Score 742	DB 9	Length 2558
Best Local Similarly	99.3%	Pred. No. 0		
Matches 1142	Conservative 0	Mismatches 8	Indels 0	Gaps 0

Qy	290	GACCCCTGTGCTACTTTGCTCCGCGGGTGAAGCTCTTACGAGCGCTTGGAACTTCTCT	349
Db	871	GACCCCTGTGCTACTTTGCTCCGCGGGTGAAGCTCTTACGAGCGCTTGGAACTTCTCT	930
Qy	350	GGAGGTGGTGTCCAGCGCTGGAATAATCTTAATCTGAATGGTGCAGAGAACCCCTCTCACA	409
Db	931	GGAGGTGGTGTCCAGCGTGGAAATATCTTAATCTGAATGGTGCAGAGAACCCCTCTCACA	990
Qy	410	CCAGGTACCCAGCAAAATGAATACGCTTATAGCATTGCAATTCGACAGGCTGTGGCTTT	469
Db	991	CCAGGTACCCAGCAAAATGAATATGCTTATAGCGGTGAATTCGACAGGCTGTGGCTTT	1050
Qy	470	CCAGGTATCTCTGTTCATCCAGTGGATACATATGATGCAACGAGCTCTTGAAAAATG	529
Db	1051	CCAGGTATCTCTGTTCATCCAAATGGATACATATGATGCAAGAAAGCTCTTGAAAAATG	1110
Qy	530	GGTGGCTCAGACCAACGATGACGCTGAGAGGAATCTCAAGTGTCTTACAAATGT	589
Db	1111	GGTGGCTCAGACCAACGATGACGCTGAGAGGAATCTCAAGTGTCTTACAAATGT	1170
Qy	590	GGACCTGGCTTACTGTGAAACTTTTCTACAAAAAGTCAAGATGCAATCCACTTACC	649
Db	1171	GGACCTGGCTTACTGTGAAACTTTTCTACAAAAAGTCAAGATGCAATCCACTTACC	1230
Qy	650	AATGAAGTGAACGAAATTTACATGTGATAGTACTCTCAGAGGACGTGGAACGAGAC	709
Db	1231	AATGAAGTGAACGAAATTTACAAATGTATAGTACTCTCAGAGGACGTGGAACGAGAC	1290
Qy	710	AGATATGTCATTTCTGGAGGTCAACGGGACTCATAGGGTGTGGTGGATTTGACCCCTCAG	769
Db	1291	AGATATGTCATTTCTGGAGGTCAACGGGACTCATAGGGTGTGGTGGATTTGACCCCTCAG	1350
Qy	770	AGTGAACAGCTGTGTTTCATGAAACTGTGAGAGCTTTGGACACTGAAAAAGAAAGG	829
Db	1351	AGTGAACAGCTGTGTTTCATGAAATTTGTGAGAGCTTTGGACACTGAAAAAGAAAGG	1410
Qy	830	TGAGACCTTAGAAGAACAAATTTGTTGCAAGCTGGATGCGAAGAAATTTGCTTCTT	889
Db	1411	TGAGACCTTAGAAGAACAAATTTGTTGTTGCAAGCTGGATGCGAAGAAATTTGCTTCTT	1470
Qy	890	GGTTCTACTAGTGGGCGAGAGGATTAATTCAGACTCTCTCAAGAGCGTGGGCTGAT	949
Db	1471	GGTTCTACTAGTGGGCGAGAGGAAATTCAGACTCTCTCAAGAGCGTGGGCTGAT	1530
Qy	950	ATTATATCTGACTCATCTATAGAGAGAAACTACACTCGAGATGTATGTACACACTG	1009
Db	1531	ATTATATCTGACTCATCTATATGAAGGAACACTCACTCTGAGATGTATGTACACCGCTG	1590
Qy	1010	ATGTACAGCTTGTATACCAACTTACAAAAGAGCTGAAAGCCCTGATGAAGGCTTTGAA	1069
Db	1591	ATGTACAGCTTGTATACCAACTTACAAAAGAGCTGAAAGCCCTGATGAAGGCTTTGAA	1650
Qy	1070	GGCAAACTCTTTATGAAAGTTGACATAAAAAGTCTTCCCAAGATTCAGTGGCATG	1129

Db	1651	GGCAAACTCTTTATATGAAAGTTGACACTAAAAAAAGTCCTTCCACAGATTCAGTGCATG	1710
Qy	1130	CCGAGATTAAGCAAAATTGGGATCTGAAATGATTTTGGGTGTTCTTCCACGACTTGA	1189
Db	1711	CCGAGATTAAGCAAAATTGGGATCTGAAATGATTTTGGGTGTTCTTCCACGACTTGA	1770
Qy	1190	ATTGCTTCAGGCGAGGACGCGTATCTAAAAATTGGGAAACAACAAAATTCAGGCGTAT	1249
Db	1771	ATTGCTTCAGGCGAGGACGCGTATCTAAAAATTGGGAAACAACAAAATTCAGGCGTAT	1830
Qy	1250	CCACTGATCAGACGTGCTATGAAACATATGATGTTGTGAAAAAGTTTATGATCATG	1309
Db	1831	CCACTGATCAGACGTGCTATGAAACATATGATGTTGTGAAAAAGTTTATGATCATG	1890
Qy	1310	TTTAAATATGACCTCACTGTGGCCCAAGTTCGAGGAGGATGTTTGAAGTACCAAT	1369
Db	1891	TTTAAATATGACCTCACTGTGGCCCAAGTTCGAGGAGGATGTTTGAAGTACCAAT	1950
Qy	1370	TCCATAGTGCCTCCCTTTTGATTTGTCCGAGATTATGCTGTAGTTTAAAGAAATGATGTCAC	1429
Db	1951	TCCATAGTGCCTCCCTTTTGATTTGTCCGAGATTATGCTGTAGTTTAAAGAAATGATGTCAC	2010
Qy	1430	AAATCTACA	1439
Db	2011	AAATCTACA	2020

```

RESULT 3
US-09-978-192A-617
Sequence 617, Application US/09978192A
Patent No. US2002017553A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi
APPLICANT: Baker Kevin P.
APPLICANT: Botstein, David
APPLICANT: Deenoyers, Luc
APPLICANT: Eaton, Dan
APPLICANT: Ferrara, Napoleon
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J
APPLICANT: Kljavin, Ivar J.
APPLICANT: Kuo, Sophia S.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James;
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William T.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2630P1C9
CURRENT APPLICATION NUMBER: US/09/978,192A
CURRENT FILING DATE: 2001-10-15
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066364

```

[illegible]

1	PRIOR FILING DATE: 1998-03-11
2	PRIOR APPLICATION NUMBER: 60/077641
3	PRIOR FILING DATE: 1998-03-11
4	PRIOR APPLICATION NUMBER: 60/077649
5	PRIOR FILING DATE: 1998-03-11
6	PRIOR APPLICATION NUMBER: 60/077791
7	PRIOR FILING DATE: 1998-03-12
8	PRIOR APPLICATION NUMBER: 60/078004
9	PRIOR FILING DATE: 1998-03-13
10	PRIOR APPLICATION NUMBER: 60/078866
11	PRIOR FILING DATE: 1998-03-20
12	PRIOR APPLICATION NUMBER: 60/078936
13	PRIOR FILING DATE: 1998-03-20
14	PRIOR APPLICATION NUMBER: 60/078910
15	PRIOR FILING DATE: 1998-03-20
16	PRIOR APPLICATION NUMBER: 60/078939
17	PRIOR FILING DATE: 1998-03-20
18	PRIOR APPLICATION NUMBER: 60/079294
19	PRIOR FILING DATE: 1998-03-25
20	PRIOR APPLICATION NUMBER: 60/079656
21	PRIOR FILING DATE: 1998-03-26
22	PRIOR APPLICATION NUMBER: 60/079664
23	PRIOR FILING DATE: 1998-03-27
24	PRIOR APPLICATION NUMBER: 60/079689
25	PRIOR FILING DATE: 1998-03-27
26	PRIOR APPLICATION NUMBER: 60/079663
27	PRIOR FILING DATE: 1998-03-27
28	PRIOR APPLICATION NUMBER: 60/079728
29	PRIOR FILING DATE: 1998-03-27
30	PRIOR APPLICATION NUMBER: 60/079786
31	PRIOR FILING DATE: 1998-03-27
32	PRIOR APPLICATION NUMBER: 60/079920
33	PRIOR FILING DATE: 1998-03-30
34	PRIOR APPLICATION NUMBER: 60/079923
35	PRIOR FILING DATE: 1998-03-30
36	PRIOR APPLICATION NUMBER: 60/080105
37	PRIOR FILING DATE: 1998-03-31
38	PRIOR APPLICATION NUMBER: 60/080107
39	PRIOR FILING DATE: 1998-03-31
40	PRIOR APPLICATION NUMBER: 60/080165
41	PRIOR FILING DATE: 1998-03-31
42	PRIOR APPLICATION NUMBER: 60/080194
43	PRIOR FILING DATE: 1998-03-31
44	PRIOR APPLICATION NUMBER: 60/080327
45	PRIOR FILING DATE: 1998-04-01
46	PRIOR APPLICATION NUMBER: 60/080328
47	PRIOR FILING DATE: 1998-04-01
48	PRIOR APPLICATION NUMBER: 60/080333
49	PRIOR FILING DATE: 1998-04-01
50	PRIOR APPLICATION NUMBER: 60/080334
51	PRIOR FILING DATE: 1998-04-01
52	PRIOR APPLICATION NUMBER: 60/081070
53	PRIOR FILING DATE: 1998-04-08
54	PRIOR APPLICATION NUMBER: 60/081049
55	PRIOR FILING DATE: 1998-04-08
56	PRIOR APPLICATION NUMBER: 60/081071
57	PRIOR FILING DATE: 1998-04-08
58	PRIOR APPLICATION NUMBER: 60/081195
59	PRIOR FILING DATE: 1998-04-08
60	PRIOR APPLICATION NUMBER: 60/081203
61	PRIOR FILING DATE: 1998-04-09
62	PRIOR APPLICATION NUMBER: 60/081229
63	PRIOR FILING DATE: 1998-04-09
64	PRIOR APPLICATION NUMBER: 60/081955
65	PRIOR FILING DATE: 1998-04-15
66	PRIOR APPLICATION NUMBER: 60/081817
67	PRIOR FILING DATE: 1998-04-15
68	PRIOR APPLICATION NUMBER: 60/081819
69	PRIOR FILING DATE: 1998-04-15
70	PRIOR APPLICATION NUMBER: 60/081952
71	PRIOR FILING DATE: 1998-04-15
72	PRIOR APPLICATION NUMBER: 60/081938
73	PRIOR FILING DATE: 1998-04-15

PRIOR APPLICATION NUMBER: 60/082568	
PRIOR FILING DATE: 1998-04-21	
PRIOR APPLICATION NUMBER: 60/082569	
PRIOR FILING DATE: 1998-04-21	
PRIOR APPLICATION NUMBER: 60/082704	
PRIOR FILING DATE: 1998-04-22	
PRIOR APPLICATION NUMBER: 60/082804	
PRIOR FILING DATE: 1998-04-22	
PRIOR APPLICATION NUMBER: 60/082700	
PRIOR FILING DATE: 1998-04-22	
PRIOR APPLICATION NUMBER: 60/082797	
PRIOR FILING DATE: 1998-04-22	
PRIOR APPLICATION NUMBER: 60/082796	
PRIOR FILING DATE: 1998-04-23	
PRIOR APPLICATION NUMBER: 60/083336	
PRIOR FILING DATE: 1998-04-27	
PRIOR APPLICATION NUMBER: 60/083322	
PRIOR FILING DATE: 1998-04-28	
PRIOR APPLICATION NUMBER: 60/083392	
PRIOR FILING DATE: 1998-04-29	
PRIOR APPLICATION NUMBER: 60/083495	
PRIOR FILING DATE: 1998-04-29	
PRIOR APPLICATION NUMBER: 60/083496	
PRIOR FILING DATE: 1998-04-29	
PRIOR APPLICATION NUMBER: 60/083499	
PRIOR FILING DATE: 1998-04-29	
PRIOR APPLICATION NUMBER: 60/083545	
PRIOR FILING DATE: 1998-04-29	
PRIOR APPLICATION NUMBER: 60/083554	
PRIOR FILING DATE: 1998-04-29	
PRIOR APPLICATION NUMBER: 60/083558	
PRIOR FILING DATE: 1998-04-29	
PRIOR APPLICATION NUMBER: 60/083559	
PRIOR FILING DATE: 1998-04-29	
PRIOR APPLICATION NUMBER: 60/083500	
PRIOR FILING DATE: 1998-04-29	
PRIOR APPLICATION NUMBER: 60/083742	
PRIOR FILING DATE: 1998-04-30	
PRIOR APPLICATION NUMBER: 60/084366	
PRIOR FILING DATE: 1998-05-05	
PRIOR APPLICATION NUMBER: 60/084414	
PRIOR FILING DATE: 1998-05-06	
PRIOR APPLICATION NUMBER: 60/084637	
PRIOR FILING DATE: 1998-05-07	
PRIOR APPLICATION NUMBER: 60/084639	
PRIOR FILING DATE: 1998-05-07	
PRIOR APPLICATION NUMBER: 60/084640	
PRIOR FILING DATE: 1998-05-07	
PRIOR APPLICATION NUMBER: 60/084642	
PRIOR FILING DATE: 1998-05-07	
PRIOR APPLICATION NUMBER: 60/084643	
PRIOR FILING DATE: 1998-05-07	
PRIOR APPLICATION NUMBER: 60/085339	
PRIOR FILING DATE: 1998-05-13	
PRIOR APPLICATION NUMBER: 60/085388	
PRIOR FILING DATE: 1998-05-13	
PRIOR APPLICATION NUMBER: 60/085333	
PRIOR FILING DATE: 1998-05-13	
PRIOR APPLICATION NUMBER: 60/085582	
PRIOR FILING DATE: 1998-05-15	
PRIOR APPLICATION NUMBER: 60/085700	
PRIOR FILING DATE: 1998-05-15	
PRIOR APPLICATION NUMBER: 60/085689	
PRIOR FILING DATE: 1998-05-15	
PRIOR APPLICATION NUMBER: 60/085579	
PRIOR FILING DATE: 1998-05-15	
PRIOR APPLICATION NUMBER: 60/085580	

[illegible]

PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085697

Query Match 37.2%; Score 742; DB 10; Length 2558;
Best Local Similarity 99.3%; Pred. No. 0;
Matches 1142; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

```

QY 290 GACCTGCTGACTCTTGTCTCTGGGGTGAAGCTCTATCCAGAGCGGTGGAACTTCTCT 349
DB 871 GACCTGCTGACTCTTGTCTCTGGGGTGAAGCTCTATCCAGAGCGGTGGAACTTCTCT 930
QY 350 GGAGGTGTGTCCAGCTGGAAATATCTTAATCTGAATGTGCGAGAGACCTCTGACA 409
DB 931 GGAGGTGTGTCCAGCTGGAAATATCTTAATCTGAATGTGCGAGAGACCTCTGACA 990
QY 410 CCAGGTATCCAGCAATGAATACCTTTATGCGATGGAATTTGAGAGGCTGTGTCTT 469
DB 991 CCAGGTATCCAGCAATGAATACCTTTATGCGATGGAATTTGAGAGGCTGTGTCTT 1050
QY 470 CCAAGTATCTCTGCTTCATCCAGTGTGATGATGATGATGATGATGATGATGATGATG 529
DB 1051 CCAAGTATCTCTGCTTCATCCAGTGTGATGATGATGATGATGATGATGATGATGATG 1110
QY 530 GGTGGCTCAGCACCACCAATAGCAGCTGAGAGAACTCTCAAGTGTCTCAATGTT 589
DB 1111 GGTGGCTCAGCACCACCAATAGCAGCTGAGAGAACTCTCAAGTGTCTCAATGTT 1170
QY 590 GGACCTGCTTCTTCTGCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTT 649
DB 1171 GGACCTGCTTCTTCTGCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTT 1230
QY 650 AATGAATGACGAGAAATTTCAATGTATGATGATGATGATGATGATGATGATGATGATG 709
DB 1231 AATGAATGACGAGAAATTTCAATGTATGATGATGATGATGATGATGATGATGATGATG 1290
QY 710 AGATATGTCAATTTCTGGAGGTCAACCGGACTCATGGTGTGTGTGTGTGTGTGTGTGT 769
DB 1291 AGATATGTCAATTTCTGGAGGTCAACCGGACTCATGGTGTGTGTGTGTGTGTGTGTGT 1350
QY 770 AGTGGAGCAGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 829
DB 1351 AGTGGAGCAGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1410
QY 830 TGGAGACCTTGAAGAAATTTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 889
DB 1411 TGGAGACCTTGAAGAAATTTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1470
QY 890 GGTTCCTACTGAGTGGGAGAGATTAATTTCAAGCTCTTCAAGAGCTGTGGCTGTAT 949
DB 1471 GGTTCCTACTGAGTGGGAGAGATTAATTTCAAGCTCTTCAAGAGCTGTGGCTGTAT 1530
QY 950 ATTAATGCTGATCATCTTATTAAGAGAACTACCTCTGAGAGTGTGTGTGTGTGTGTGTGT 1009
DB 1531 ATTAATGCTGATCATCTTATTAAGAGAACTACCTCTGAGAGTGTGTGTGTGTGTGTGTGT 1590
QY 1010 ATGTAACGCTTGTGATTAATCACTTAAGAGAGCTGTGAAGAGCTGTGAAGAGCTTTGAA 1069
DB 1591 ATGTAACGCTTGTGATTAATCACTTAAGAGAGCTGTGAAGAGCTGTGAAGAGCTTTGAA 1650
QY 1070 GGCAATCTCTTTATGAAGTGTGACTTAAGAGCTCTTCCAGAGTGTCAAGTGTGATG 1129
DB 1651 GGCAATCTCTTTATGAAGTGTGACTTAAGAGCTCTTCCAGAGTGTCAAGTGTGATG 1710
QY 1130 CCCAGGATTAAGCAATTTGGAGTGTGAAATGATTTTGAAGTGTCTTCAACGATTTGGA 1189
DB 1711 CCCAGGATTAAGCAATTTGGAGTGTGAAATGATTTTGAAGTGTCTTCAACGATTTGGA 1770
QY 1190 ATTGCTTCAAGGAGAGAGGATTAATTAAGAAATTTGGAGAACTTAATTTCAAGGAGTAT 1249
DB 1771 ATTGCTTCAAGGAGAGAGGATTAATTAAGAAATTTGGAGAACTTAATTTCAAGGAGTAT 1830
QY 1250 CCACTGTATCAAGTGTCTATGAAGCATATGAGTGTGTGAAAGTGTGTATGATTCATG 1309

```

```

DB 1831 CCACTGTATCAAGTGTCTATGAAGCATATGATGTGTGAAAGTGTGTATGATTCATG 1890
QY 1831 TTTAAATATCACTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1890
DB 1891 TTTAAATATCACTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1950
QY 1370 TCCATGAGTCTCTCTTGTGATGATGATGATGATGATGATGATGATGATGATGATGATG 1429
DB 1951 TCCATGAGTCTCTCTTGTGATGATGATGATGATGATGATGATGATGATGATGATGATG 2010
QY 1430 AAAATCTACA 1439
DB 2011 AAAATCTACA 2020

```

RESULT 6

US-09-978-608A-617
Sequence 617, Application US/09978608A
Publication No. US2003045462A1

GENERAL INFORMATION:

```

APPLICANT: Ashkenazi, Avi
APPLICANT: Baker Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Ratton, Dan
APPLICANT: Ferrara, Napoleon
APPLICANT: Pivarof, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerltsen, Mary E.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Kuo, Sophia S.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoli, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Thomas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2630P1C22
CURRENT APPLICATION NUMBER: US/09/978, 608A
CURRENT FILING DATE: 2001-10-16
NUMBER OF SEQ ID NOS: 624
Prior Application removed - See File Wrapper or Palm
SEQ ID NO 617
LENGTH: 2558
TYPE: DNA
ORGANISM: Homo Sapien
US-09-978-608A-617

```

Query Match 37.2%; Score 742; DB 10; Length 2558;
Best Local Similarity 99.3%; Pred. No. 0;
Matches 1142; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

```

QY 290 GACCTGCTGACTCTTGTCTCTGGGGTGAAGCTCTATCCAGAGCGGTGGAACTTCTCT 349
DB 871 GACCTGCTGACTCTTGTCTCTGGGGTGAAGCTCTATCCAGAGCGGTGGAACTTCTCT 930
QY 350 GGAGGTGTGTCCAGCTGGAAATATCTTAATCTGAATGTGCGAGAGACCTCTGACA 409
DB 931 GGAGGTGTGTCCAGCTGGAAATATCTTAATCTGAATGTGCGAGAGACCTCTGACA 990
QY 410 CCAGGTATCCAGCAATGAATACCTTTATGCGATGGAATTTGAGAGGCTGTGTCTT 469

```

DB 991 CCAGGTTATCCCAACCAATGAATATGCTTATAGCGGTGAATTCAGAGGCTGTTGCTTT 1050
QY 470 CCAAGTATTCCTGTTCAATCCAGTTGATATCTATGATGACACAGAACTCCTAGAAAAATG 529
DB 1051 CCAAGTATTCCTGTTCAATCCAGTTGATATCTATGATGACACAGAACTCCTAGAAAAATG 1110
QY 530 GGTGGCTCAGCACACACAGATAGCAGTGGAGAGAACTCAAGTGTCTCAATGTT 589
DB 1111 GGTGGCTCAGCACACACAGATAGCAGTGGAGAGAACTCAAGTGTCTCAATGTT 1170
QY 590 GGAAGTGTCTCAGTGGAGAGTCAACCGGACTCAAGTGTCTCAGTGGATGACCTCTAC 649
DB 1171 GGAAGTGTCTCAGTGGAGAGTCAACCGGACTCAAGTGTCTCAGTGGATGACCTCTAC 1230
QY 650 AATGAAGTGCAGGAATTTTCAATGTGATAGTACTCTCAGAGAGAGCAGTGGAAACAGAC 709
DB 1231 AATGAAGTGCAGGAATTTTCAATGTGATAGTACTCTCAGAGAGAGCAGTGGAAACAGAC 1290
QY 710 AGATATGTCTCTGGAGAGTCAACCGGACTCAAGTGTCTCAGTGGATGACCTCTAC 769
DB 1291 AGATATGTCTCTGGAGAGTCAACCGGACTCAAGTGTCTCAGTGGATGACCTCTAC 1350
QY 770 AGTGAAGCAGCTGTGTTCAATCTGAGAGAGCTTTGAAACACTGAAAAAGAGAGG 829
DB 1351 AGTGAAGCAGCTGTGTTCAATCTGAGAGAGCTTTGAAACACTGAAAAAGAGAGG 1410
QY 830 TGAAGACCTTGAAAGAAATTTTGTGCAAGCTGGAGTCAAGAAATTTGCTCTT 889
DB 1411 TGAAGACCTTGAAAGAAATTTTGTGCAAGCTGGAGTCAAGAAATTTGCTCTT 1470
QY 890 GGTTCCTAGTGGAGAGAGTAAATTAATTAAGCTCCTTCAAGAGCTGGAGCTTAT 949
DB 1471 GGTTCCTAGTGGAGAGAGTAAATTAATTAAGCTCCTTCAAGAGCTGGAGCTTAT 1530
QY 950 ATTAATGCTGACTCATCTATAGAAAGAACTGAGAGTGAATTTGATACCACTG 1009
DB 1531 ATTAATGCTGACTCATCTATAGAAAGAACTGAGAGTGAATTTGATACCACTG 1590
QY 1010 ATGTACAGCTGTGTTCAACCTTAACAAAGAGCTGAAAGCCCTGATGAAAGCTTTGA 1069
DB 1591 ATGTACAGCTGTGTTCAACCTTAACAAAGAGCTGAAAGCCCTGATGAAAGCTTTGA 1650
QY 1070 GGCAGATCTCTTATGAAAGTTGGAATGAAATGCTTCCAGAGTCAAGTGGATG 1129
DB 1651 GGCAGATCTCTTATGAAAGTTGGAATGAAATGCTTCCAGAGTCAAGTGGATG 1710
QY 1130 CCCAGATTAAGCAAAATTTGGAATGAAATGCTTCCAGAGTCAAGTGGATG 1189
DB 1711 CCCAGATTAAGCAAAATTTGGAATGAAATGCTTCCAGAGTCAAGTGGATG 1770
QY 1190 ATTGCTTCAAGCAGAGAGCGGTATCTAATAAATTTGGAACAAATTCAGCGGTAT 1249
DB 1771 ATTGCTTCAAGCAGAGAGCGGTATCTAATAAATTTGGAACAAATTCAGCGGTAT 1830
QY 1250 CCACTGATCAGAGTGTCTATGAAACATATGATGAGTGTGGAAGAAATTTATGATCCATG 1309
DB 1831 CCACTGATCAGAGTGTCTATGAAACATATGATGAGTGTGGAAGAAATTTATGATCCATG 1890
QY 1310 TTTAAATATCAGCTCTGTGAGCCAGAGTTCAGAGAGAGTGTGTTGAGTACCAAT 1369
DB 1891 TTTAAATATCAGCTCTGTGAGCCAGAGTTCAGAGAGAGTGTGTTGAGTACCAAT 1950
QY 1370 TCCATATGCTCTCTTTTATGATGATGAGTGTGATGATTTTATGAAAGTATGCTGAC 1429
DB 1951 TCCATATGCTCTCTTTTATGATGATGAGTGTGATGATTTTATGAAAGTATGCTGAC 2010
QY 1430 AAAATCTACA 1439
DB 2011 AAAATCTACA 2020

RESULT 7

US-09-978-585A-617
; Sequence 617, Application US/09978585A
; Publication No. US20030049633A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gertsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Guiney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kjaev, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James J.
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2630P1C15
; CURRENT APPLICATION NUMBER: US/09/978, 585A
; NUMBER OF SEQ ID NOS: 624
; Prior Application removed - See File Wrapper or Palm
; SEQ ID NO 617
; LENGTH: 2558
; TYPE: DNA
; ORGANISM: Homo Sapien
US-09-978-585A-617
Query Match 37.2%; Score 742; DB 10; Length 2558;
Best Local Similarity 99.3%; Pred. No. 0;
Matches 1142; Conservative 0; Mismatches 8; Indels 0; Gaps 0;
QY 290 GACCTGCTGACTACTTCTCTCTGAGTGAAGTCTATCCAGACGTTGAAATCTTCT 349
DB 871 GACCTGCTGACTACTTCTCTCTGAGTGAAGTCTATCCAGACGTTGAAATCTTCT 930
QY 350 GGAAGTGTGTCAGAGGTTGAAATATCTTAATCTGAATGTGTGACAGAGAACCTCTCACA 409
DB 931 GGAAGTGTGTCAGAGGTTGAAATATCTTAATCTGAATGTGTGACAGAGAACCTCTCACA 990
QY 410 CCAAGTATCCCAAGAAATGAAATAGCTTATAGCAATGAAATGACAGAGCTGTGTTCT 469
DB 991 CCAAGTATCCCAAGAAATGAAATAGCTTATAGCAATGAAATGACAGAGCTGTGTTCT 1050
QY 470 CCAAGTATCCCTGTTCAATCCAGTTGATATCTATGATGACACAGAACTCCTAGAAAAATG 529
DB 1051 CCAAGTATCCCTGTTCAATCCAGTTGATATCTATGATGACACAGAACTCCTAGAAAAATG 1110
QY 530 GGTGGCTCAGCACACACAGATAGCAGTGGAGAGAACTCAAGTGTCTCAATGTT 589
DB 1111 GGTGGCTCAGCACACACAGATAGCAGTGGAGAGAACTCAAGTGTCTCAATGTT 1170
QY 590 GGAAGTGTCTCAGTGGAGAGTCAACCGGACTCAAGTGTCTCAGTGGATGACCTCTAC 649
DB 1171 GGAAGTGTCTCAGTGGAGAGTCAACCGGACTCAAGTGTCTCAGTGGATGACCTCTAC 1230
QY 650 AATGAAGTGCAGGAATTTTCAATGTGATAGTACTCTCAGAGAGAGCAGTGGAAACAGAC 709


```

; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: 60/080194
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: 60/080327
; PRIOR FILING DATE: 1998-04-01
; PRIOR APPLICATION NUMBER: 60/080328
; PRIOR FILING DATE: 1998-04-01
; PRIOR APPLICATION NUMBER: 60/080333
; PRIOR FILING DATE: 1998-04-01
; PRIOR APPLICATION NUMBER: 60/080334
; PRIOR FILING DATE: 1998-04-01
; PRIOR APPLICATION NUMBER: 60/081070
; PRIOR FILING DATE: 1998-04-08
; PRIOR APPLICATION NUMBER: 60/081049
; PRIOR FILING DATE: 1998-04-08
; PRIOR APPLICATION NUMBER: 60/081071
; PRIOR FILING DATE: 1998-04-08
; PRIOR APPLICATION NUMBER: 60/081195
; PRIOR FILING DATE: 1998-04-08
; PRIOR APPLICATION NUMBER: 60/081203
; PRIOR FILING DATE: 1998-04-09
; PRIOR APPLICATION NUMBER: 60/081229
; PRIOR FILING DATE: 1998-04-09
; PRIOR APPLICATION NUMBER: 60/081955
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/081817
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/081819
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/081952
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/081838
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/082568
; PRIOR FILING DATE: 1998-04-21
; PRIOR APPLICATION NUMBER: 60/082569
; PRIOR FILING DATE: 1998-04-21
; PRIOR APPLICATION NUMBER: 60/082704
; PRIOR FILING DATE: 1998-04-22
; PRIOR APPLICATION NUMBER: 60/082804
; PRIOR FILING DATE: 1998-04-22
; PRIOR APPLICATION NUMBER: 60/082700
; PRIOR FILING DATE: 1998-04-22
; PRIOR APPLICATION NUMBER: 60/082797
; PRIOR FILING DATE: 1998-04-22
; PRIOR APPLICATION NUMBER: 60/082796
; PRIOR FILING DATE: 1998-04-23
; PRIOR APPLICATION NUMBER: 60/083336
; PRIOR FILING DATE: 1998-04-27
; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: 60/083392
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083495
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083496
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083499
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083545
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083554
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083558
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083559
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083500
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083742
; PRIOR FILING DATE: 1998-04-30
; PRIOR APPLICATION NUMBER: 60/084366
; PRIOR FILING DATE: 1998-05-05
; PRIOR APPLICATION NUMBER: 60/084414
; PRIOR FILING DATE: 1998-05-06
; PRIOR APPLICATION NUMBER: 60/084441
; PRIOR FILING DATE: 1998-05-06
; PRIOR APPLICATION NUMBER: 60/084637
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084639
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084640
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084598
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084600
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084627
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084643
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/085339
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085338
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085323
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085582
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085700
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085689
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085579
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085580
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085573
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085704
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085697

Query Match      37.2%; Score 742; DB 10; Length 2558;
Best Local Similarity 99.3%; Pred. No. 0;
Matches 1142; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY      290  GACCCGCTGACGACTCTTCTCTGCGGAGAGTCTCTACCGAGCGGTGGAATCTTCTCT
DB      871  GACCCGCTGACGACTCTTCTCTGCGGAGAGTCTCTACCGAGCGGTGGAATCTTCTCT
QY      350  GGAGGTGTGTCCAGCGGTGGAATATCTTAATCTGAATGTGTGAGAGACCTCTCACA
DB      931  GGAGGTGTGTCCAGCGGTGGAATATCTTAATCTGAATGTGTGAGAGACCTCTCACA
QY      410  CCAGGTTACCCAGCAATGAATATGCTTATGAGCATGGAATTGACAGAGCTGTGCTTT
DB      991  CCAGGTTACCCAGCAATGAATATGCTTATGAGCATGGAATTGACAGAGCTGTGCTTT
QY      470  CCAAGTATTCCTGTTATCCAGTGTGATCTATGATGACACAGAGCTCTAGAAAAATG
DB      1051 CCAAGTATTCCTGTTATCCAGTGTGATCTATGATGACACAGAGCTCTAGAAAAATG
QY      530  GGTGCTCAGCACACACAGATAGCAGTGAAGAGTCTCAAGTGTCTTACAATGTT
DB      1111  GGTGCTCAGCACACACAGATAGCAGTGAAGAGTCTCAAGTGTCTTACAATGTT
QY      590  GGAAGTGTGCTTATCTGAAAATCTTTTACACAAAAGTCAAGTGTGACATCTTAC
DB      1171  GGAAGTGTGCTTATCTGAAAATCTTTTACACAAAAGTCAAGTGTGACATCTTAC
QY      650  AATGAAGTACGAGATTTTACATGATAGTACTCTCAGAGGACAGTGAACGAG
DB      1231  AATGAAGTACGAGATTTTACATGATAGTACTCTCAGAGGACAGTGAACGAG
QY      710  AGATATGTATCTGTGAGAGTCAACGGGACTCATGAGTGTGTTGTTGATTAACCTCAG

```

Db 1291 AGATATGCTATTTGGGAGGCTCACCGGAGCTATGGGTTGGTATGACCTCAG 1350
Qy 770 AGTGGACAGCTGTTGTTTCATGAAACGTGTGGAGCTTTGGAACAACGAAAGG 829
Db 1351 AGTGGACAGCTGTTGTTTCATGAAATGTGTGGAGCTTTGGAACAACGAAAGG 1410
Qy 830 TGGAGACCTAGAAAGCAATTTGTTTGCAGCTGGGATGCAAGAAATTGGTCTT 889
Db 1411 TGGAGACCTAGAAAGCAATTTGTTTGCAGCTGGGATGCAAGAAATTGGTCTT 1470
Qy 890 GGTTCCTAGTGGGAGAGATATTCAGACTCCTTCAAGAGCGTGGGCTTAT 949
Db 1471 GGTTCCTAGTGGGAGAGAAATTCAGACTCCTTCAAGAGCGTGGGCTTAT 1530
Qy 950 ATTAATGCTGCTATCTATTAAGAAAGCACTGCTGAGAGTTGATTCACCACTG 1009
Db 1531 ATTAATGCTGCTATCTATTAAGAAAGCACTGCTGAGAGTTGATTCACCACTG 1590
Qy 1010 ATGTACAGCTTGTATCAACCTAACAAGAGCTGAAAGCCCTGATGAAGCTTGA 1069
Db 1591 ATGTACAGCTTGTATCAACCTAACAAGAGCTGAAAGCCCTGATGAAGCTTGA 1650
Qy 1070 GGCAGATCTCTTATGAAGTTGACTTAAAGATCCTTCCCAAGATTCACTGATG 1129
Db 1651 GGCAGATCTCTTATGAAGTTGACTTAAAGATCCTTCCCAAGATTCACTGATG 1710
Qy 1130 CCCAGATTAAGCAATTTGGATCTGGAATGATTTTGAAGTCTTCCACGACTTGA 1189
Db 1711 CCCAGATTAAGCAATTTGGATCTGGAATGATTTTGAAGTCTTCCACGACTTGA 1770
Qy 1190 ATGTCTCAGGACAGAGCGGTATCTAATAATTTGGAAACAACCAATTCAGGCGTAT 1249
Db 1771 ATGTCTCAGGACAGAGCGGTATCTAATAATTTGGAAACAACCAATTCAGGCGTAT 1830
Qy 1250 CCACTGATCAAGCTGTCTATGAACAATGAGTTGTGGAAGTTTATGATCAATG 1309
Db 1831 CCACTGATCAAGCTGTCTATGAACAATGAGTTGTGGAAGTTTATGATCAATG 1890
Qy 1310 TTTTAAATCACTCACTGTCGCGCCAGGTTGAGAGAGGATGTTTGAAGTCAAT 1369
Db 1891 TTTTAAATCACTCACTGTCGCGCCAGGTTGAGAGAGGATGTTTGAAGTCAAT 1950
Qy 1370 TCCATAGTGTCCCTTTTGAATGTCGAGTTATGCTGATTTAAGAAAGTATGCTGAC 1429
Db 1951 TCCATAGTGTCCCTTTTGAATGTCGAGTTATGCTGATTTAAGAAAGTATGCTGAC 2010
Qy 1430 AAAATCTACA 1439
Db 2011 AAAATCTACA 2020

RESULT 9
US-09-978-403A-617
; Sequence 617, Application US/09978403A
; Publication No. US20030050240A1
GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Geritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J

APPLICANT: Kljavin, Ivar J.
APPLICANT: Kuo, Sophia S.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James J.
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tunes, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OR INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P630P1C17
CURRENT APPLICATION NUMBER: US/09/978,403A
CURRENT FILING DATE: 2002-03-19
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066364
PRIOR FILING DATE: 1997-11-21
PRIOR APPLICATION NUMBER: 60/077450
PRIOR FILING DATE: 1998-03-10
PRIOR APPLICATION NUMBER: 60/077632
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077641
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077649
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077791
PRIOR FILING DATE: 1998-03-12
PRIOR APPLICATION NUMBER: 60/078004
PRIOR FILING DATE: 1998-03-13
PRIOR APPLICATION NUMBER: 60/078886
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/078936
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/078939
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/079294
PRIOR FILING DATE: 1998-03-25
PRIOR APPLICATION NUMBER: 60/079656
PRIOR FILING DATE: 1998-03-26
PRIOR APPLICATION NUMBER: 60/079664
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079689
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079663
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079728
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079786
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079920
PRIOR FILING DATE: 1998-03-30
PRIOR APPLICATION NUMBER: 60/079923
PRIOR FILING DATE: 1998-03-30
PRIOR APPLICATION NUMBER: 60/080105
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080107
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080165
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080194
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080327

;; PRIOR FILING DATE: 1998-04-01
;; PRIOR APPLICATION NUMBER: 60/080328
;; PRIOR FILING DATE: 1998-04-01
;; PRIOR APPLICATION NUMBER: 60/080333
;; PRIOR FILING DATE: 1998-04-01
;; PRIOR APPLICATION NUMBER: 60/080334
;; PRIOR FILING DATE: 1998-04-01
;; PRIOR APPLICATION NUMBER: 60/081070
;; PRIOR FILING DATE: 1998-04-08
;; PRIOR APPLICATION NUMBER: 60/081049
;; PRIOR FILING DATE: 1998-04-08
;; PRIOR APPLICATION NUMBER: 60/081071
;; PRIOR FILING DATE: 1998-04-08
;; PRIOR APPLICATION NUMBER: 60/081195
;; PRIOR FILING DATE: 1998-04-08
;; PRIOR APPLICATION NUMBER: 60/081203
;; PRIOR FILING DATE: 1998-04-09
;; PRIOR APPLICATION NUMBER: 60/081229
;; PRIOR FILING DATE: 1998-04-09
;; PRIOR APPLICATION NUMBER: 60/081955
;; PRIOR FILING DATE: 1998-04-15
;; PRIOR APPLICATION NUMBER: 60/081817
;; PRIOR FILING DATE: 1998-04-15
;; PRIOR APPLICATION NUMBER: 60/081819
;; PRIOR FILING DATE: 1998-04-15
;; PRIOR APPLICATION NUMBER: 60/081952
;; PRIOR FILING DATE: 1998-04-15
;; PRIOR APPLICATION NUMBER: 60/081838
;; PRIOR FILING DATE: 1998-04-15
;; PRIOR APPLICATION NUMBER: 60/082568
;; PRIOR FILING DATE: 1998-04-21
;; PRIOR APPLICATION NUMBER: 60/082569
;; PRIOR FILING DATE: 1998-04-21
;; PRIOR APPLICATION NUMBER: 60/082704
;; PRIOR FILING DATE: 1998-04-22
;; PRIOR APPLICATION NUMBER: 60/082804
;; PRIOR FILING DATE: 1998-04-22
;; PRIOR APPLICATION NUMBER: 60/082700
;; PRIOR FILING DATE: 1998-04-22
;; PRIOR APPLICATION NUMBER: 60/082797
;; PRIOR FILING DATE: 1998-04-22
;; PRIOR APPLICATION NUMBER: 60/082796
;; PRIOR FILING DATE: 1998-04-23
;; PRIOR APPLICATION NUMBER: 60/083336
;; PRIOR FILING DATE: 1998-04-27
;; PRIOR APPLICATION NUMBER: 60/083322
;; PRIOR FILING DATE: 1998-04-28
;; PRIOR APPLICATION NUMBER: 60/083392
;; PRIOR FILING DATE: 1998-04-29
;; PRIOR APPLICATION NUMBER: 60/083499
;; PRIOR FILING DATE: 1998-04-29
;; PRIOR APPLICATION NUMBER: 60/083495
;; PRIOR FILING DATE: 1998-04-29
;; PRIOR APPLICATION NUMBER: 60/083496
;; PRIOR FILING DATE: 1998-04-29
;; PRIOR APPLICATION NUMBER: 60/083499
;; PRIOR FILING DATE: 1998-04-29
;; PRIOR APPLICATION NUMBER: 60/083545
;; PRIOR FILING DATE: 1998-04-29
;; PRIOR APPLICATION NUMBER: 60/083554
;; PRIOR FILING DATE: 1998-04-29
;; PRIOR APPLICATION NUMBER: 60/083558
;; PRIOR FILING DATE: 1998-04-29
;; PRIOR APPLICATION NUMBER: 60/083559
;; PRIOR FILING DATE: 1998-04-29
;; PRIOR APPLICATION NUMBER: 60/083500
;; PRIOR FILING DATE: 1998-04-29
;; PRIOR APPLICATION NUMBER: 60/083742
;; PRIOR FILING DATE: 1998-04-30
;; PRIOR APPLICATION NUMBER: 60/084366
;; PRIOR FILING DATE: 1998-05-05
;; PRIOR APPLICATION NUMBER: 60/084414
;; PRIOR FILING DATE: 1998-05-06
;; PRIOR APPLICATION NUMBER: 60/084441
;; PRIOR FILING DATE: 1998-05-06

;; PRIOR APPLICATION NUMBER: 60/084637
;; PRIOR FILING DATE: 1998-05-07
;; PRIOR APPLICATION NUMBER: 60/084639
;; PRIOR FILING DATE: 1998-05-07
;; PRIOR APPLICATION NUMBER: 60/084640
;; PRIOR FILING DATE: 1998-05-07
;; PRIOR APPLICATION NUMBER: 60/084598
;; PRIOR FILING DATE: 1998-05-07
;; PRIOR APPLICATION NUMBER: 60/084600
;; PRIOR FILING DATE: 1998-05-07
;; PRIOR APPLICATION NUMBER: 60/084627
;; PRIOR FILING DATE: 1998-05-07
;; PRIOR APPLICATION NUMBER: 60/084643
;; PRIOR FILING DATE: 1998-05-07
;; PRIOR APPLICATION NUMBER: 60/085339
;; PRIOR FILING DATE: 1998-05-13
;; PRIOR APPLICATION NUMBER: 60/085338
;; PRIOR FILING DATE: 1998-05-13
;; PRIOR APPLICATION NUMBER: 60/085323
;; PRIOR FILING DATE: 1998-05-13
;; PRIOR APPLICATION NUMBER: 60/085582
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085700
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085689
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085579
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085580
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085573
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085704
;; PRIOR FILING DATE: 1998-05-15
;; PRIOR APPLICATION NUMBER: 60/085697

Query Match 37.2%; Score 742; DB 10; Length 2558;
Best Local Similarity 99.3%; Pred. No. 0;
Matches 1142; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 290 GACCTGCTGACTTCTTCTCTGGGGTGAAGTCTTATCCAGACGCTTGAATCTTCT 349
DB 871 GACCTGCTGACTTCTTCTCTGGGGTGAAGTCTTATCCAGACGCTTGAATCTTCT 930
QY 350 GGAGGTGCTGCTGAGGTGGAATATCTTAATCTGAATGTCAGAGACCTCTCACA 409
DB 931 GGAGGTGCTGCTGAGGTGGAATATCTTAATCTGAATGTCAGAGACCTCTCACA 990
QY 410 CCAGGTTACCCAGCAATGAATACGCTTATAGCATGATTCAGAGGCTGTGCTT 469
DB 991 CCAGGTTACCCAGCAATGAATATGCTTATAGCCGTGAATTCAGAGGCTGTGCTT 1050
QY 470 CCAGGTTATCTGCTTATCCAGTGGATATCTATGATGCACAGAGCTCTAGAAAAATG 529
DB 1051 CCAGGTTATCTGCTTATCCAGTGGATATCTATGATGCACAGAGCTCTAGAAAAATG 1110
QY 530 GGTGCTCAGACCAACAGATAGCAGTGAAGGAGGAGGCTCAAGTGTCTTCAATGTT 589
DB 1111 GGTGCTCAGACCAACAGATAGCAGTGAAGGAGGAGGCTCAAGTGTCTTCAATGTT 1170
QY 590 GGAAGCTGCTTATCTGGAATCTTCTTACACAAAAAGTCAAGATGCATCTTAC 649
DB 1171 GGAAGCTGCTTATCTGGAATCTTCTTACACAAAAAGTCAAGATGCATCTTAC 1230
QY 650 AATGAAGTACGAGAAATTTACATGTGATAGTATCTTCAAGAGACATGGAACAGAC 709
DB 1231 AATGAAGTACGAGAAATTTACATGTGATAGTATCTTCAAGAGACATGGAACAGAC 1290
QY 710 AGATATGCTATCTGAGAGTACACCGGACTATGAGGCTGTTGTTGTTATGACCTTCA 769
DB 1291 AGATATGCTATCTGAGAGTACACCGGACTATGAGGCTGTTGTTGTTATGACCTTCA 1350
QY 770 AGTGAGCAGCTGTTGTTCTATGAAACTGTGAGAGCTTGTGAACACTGAAAAAGAGG 829

Db 1351 AGTGGACAGCTGTGTTGATGAATAATGTGGAGGCTTTGGAACTAGAAAAGAGGG 1410
Qy 830 TGGAGACCTGAGAAACAAATTTTGTTCAGAGCTGGAGATGAGAAAGATTTGCTTCTT 889
Db 1411 TGGAGACCTGAGAAACAAATTTTGTTCAGAGCTGGAGATGAGAAAGATTTGCTTCTT 1470
Qy 890 GGTTCCTAGTGGGAGAGATTAATTAAGACTCTCTTCAAGAGCTGGAGCTGGCTTAT 949
Db 1471 GGTTCCTAGTGGGAGAGATTAATTAAGACTCTCTTCAAGAGCTGGAGCTGGCTTAT 1530
Qy 950 ATTAATCTGATCTATCTATTAAGAAAGAACTCACTGAGATTTGATACCACTG 1009
Db 1531 ATTAATCTGATCTATCTATTAAGAAAGAACTCACTGAGATTTGATACCACTG 1590
Qy 1010 ATGACAGCTTTGGATTAACCTTAACAAAGAGCTGAAAGCCCTGATGAAGCTTTGAA 1069
Db 1591 ATGACAGCTTTGGATTAACCTTAACAAAGAGCTGAAAGCCCTGATGAAGCTTTGAA 1650
Qy 1070 GGCATAATCTCTTATGAAGTTGAGCTAAAGAAAGCTCCCGAGAGTTCAAGTGGATG 1129
Db 1651 GGCATAATCTCTTATGAAGTTGAGCTAAAGAAAGCTCCCGAGAGTTCAAGTGGATG 1710
Qy 1130 CCCAGGATTAAGCAAAATTTGGATCTGAAATGATTTGAGTGTCTTCCAAAGACTTGA 1189
Db 1711 CCCAGGATTAAGCAAAATTTGGATCTGAAATGATTTGAGTGTCTTCCAAAGACTTGA 1770
Qy 1190 ATTGCTTCAGGACGAGACCGGTATTAATAATTTGGAAACAAAGAAATTCAGGCTTAT 1249
Db 1771 ATTGCTTCAGGACGAGACCGGTATTAATAATTTGGAAACAAAGAAATTCAGGCTTAT 1830
Qy 1250 CCACTGATCAGAGTGTCTATGAAGAAATGATGATTTGAGTGGAAAGTTTATGATTCATG 1309
Db 1831 CCACTGATCAGAGTGTCTATGAAGAAATGATGATTTGAGTGGAAAGTTTATGATTCATG 1890
Qy 1310 TTTAAATATACCTCACTGTGCCCCAGGTTGAGAGAGGATGTGTGTGAGCTAGCCAT 1369
Db 1891 TTTAAATATACCTCACTGTGCCCCAGGTTGAGAGAGGATGTGTGTGAGCTAGCCAT 1950
Qy 1370 TCCATAGTGTCTCTCTTTTATTTGATTCAGAGATTAATGCTTATTAAGAAAGTATGCTGAC 1429
Db 1951 TCCATAGTGTCTCTCTTTTATTTGATTCAGAGATTAATGCTTATTAAGAAAGTATGCTGAC 2010
Qy 1430 AAAATCTACA 1439
Db 2011 AAAATCTACA 2020

APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OR INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P26301C25
CURRENT APPLICATION NUMBER: US/09/978,564A
CURRENT FILING DATE: 2001-10-16
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066364
PRIOR FILING DATE: 1997-11-21
PRIOR APPLICATION NUMBER: 60/077450
PRIOR FILING DATE: 1998-03-10
PRIOR APPLICATION NUMBER: 60/077632
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077641
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077649
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077791
PRIOR FILING DATE: 1998-03-12
PRIOR APPLICATION NUMBER: 60/078004
PRIOR FILING DATE: 1998-03-13
PRIOR APPLICATION NUMBER: 60/078886
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/078936
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/078939
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/079294
PRIOR FILING DATE: 1998-03-25
PRIOR APPLICATION NUMBER: 60/079656
PRIOR FILING DATE: 1998-03-26
PRIOR APPLICATION NUMBER: 60/079664
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079689
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079663
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079728
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079786
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079920
PRIOR FILING DATE: 1998-03-30
PRIOR APPLICATION NUMBER: 60/079923
PRIOR FILING DATE: 1998-03-30
PRIOR APPLICATION NUMBER: 60/080105
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080107
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080165
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080194
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080327
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/080328
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/080333

PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/080334
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/081070
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081049
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081071
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081195
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081203
PRIOR FILING DATE: 1998-04-09
PRIOR APPLICATION NUMBER: 60/081229
PRIOR FILING DATE: 1998-04-09
PRIOR APPLICATION NUMBER: 60/081955
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081817
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081819
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081952
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081838
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/082568
PRIOR FILING DATE: 1998-04-21
PRIOR APPLICATION NUMBER: 60/082569
PRIOR FILING DATE: 1998-04-21
PRIOR APPLICATION NUMBER: 60/082704
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/082804
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/082700
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/082797
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/082796
PRIOR FILING DATE: 1998-04-23
PRIOR APPLICATION NUMBER: 60/083336
PRIOR FILING DATE: 1998-04-27
PRIOR APPLICATION NUMBER: 60/083322
PRIOR FILING DATE: 1998-04-28
PRIOR APPLICATION NUMBER: 60/083392
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083495
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083496
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083499
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083545
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083554
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083558
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083559
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083500
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083742
PRIOR FILING DATE: 1998-04-30
PRIOR APPLICATION NUMBER: 60/084366
PRIOR FILING DATE: 1998-05-05
PRIOR APPLICATION NUMBER: 60/084414
PRIOR FILING DATE: 1998-05-06
PRIOR APPLICATION NUMBER: 60/084441
PRIOR FILING DATE: 1998-05-06
PRIOR APPLICATION NUMBER: 60/084637
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084639
PRIOR FILING DATE: 1998-05-07

PRIOR APPLICATION NUMBER: 60/084640
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084598
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084600
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084627
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084643
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/085339
PRIOR FILING DATE: 1998-05-13
PRIOR APPLICATION NUMBER: 60/085338
PRIOR FILING DATE: 1998-05-13
PRIOR APPLICATION NUMBER: 60/085323
PRIOR FILING DATE: 1998-05-13
PRIOR APPLICATION NUMBER: 60/085582
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085700
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085689
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085579
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085580
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085573
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085704
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085697

Query Match 37.2%; Score 742; DB 10; Length 2558;

Best Local Similarity 99.3%; Pred. No. 0; Mismatches 8; Indels 0; Gaps 0;

Matches 1142; Conservative 0;

QY 290 GACCTGCTGACTACTTCTCTCTGCGGTGAAGTCTTACAGACGCTGGAATCTTCT 349
DB 871 GACCTGCTGACTACTTCTCTCTGCGGTGAAGTCTTACAGACGCTGGAATCTTCT 930
QY 350 GGAGGTGTGTCTCAGCGTGAATATCTTAATCTGAATGTGTGACAGAACTCTCA 409
DB 931 GGAGGTGTGTCTCAGCGTGAATATCTTAATCTGAATGTGTGACAGAACTCTCA 990
QY 410 CCAAGTTACCAAGCAATGAATAGCTTATAGCAATGTGACAGAGCTCTAGAAAAATG 469
DB 991 CCAAGTTACCAAGCAATGAATAGCTTATAGCAATGTGACAGAGCTCTAGAAAAATG 1050
QY 470 CCAAGTTATCTGTTTCATCCAGTTGATATCTATGATGACAGAACTCTAGAAAAATG 529
DB 1051 CCAAGTTATCTGTTTCATCCAGTTGATATCTATGATGACAGAACTCTAGAAAAATG 1110
QY 530 GGTGCTCAGCAACCAAGTATGACAGCTGAGAGAACTCTAAAGTGTCTTAATGTT 589
DB 1111 GGTGCTCAGCAACCAAGTATGACAGCTGAGAGAACTCTAAAGTGTCTTAATGTT 1170
QY 590 GGACCTGGCTTTATCTGGAATCTTTTACACAAAAGTCAAGATGACATCTTAC 649
DB 1171 GGACCTGGCTTTATCTGGAATCTTTTACACAAAAGTCAAGATGACATCTTAC 1230
QY 650 AATGAAGTACAGAAATTTACATGTATGATCTCTAGAGAGCACTGAGAACAGAC 709
DB 1231 AATGAAGTACAGAAATTTACATGTATGATCTCTAGAGAGCACTGAGAACAGAC 1290
QY 710 AGATATGTCAATTTGAGAGTCAACCGGAATCTAGGCTGTTGTGTATGACCTCAG 769
DB 1291 AGATATGTCAATTTGAGAGTCAACCGGAATCTAGGCTGTTGTGTATGACCTCAG 1350
QY 770 AGTGAAGAGCTGTTTTCATGAACTGTGAGAGCTTTGGAACATGAAAAAGAGG 829
DB 1351 AGTGAAGAGCTGTTTTCATGAACTGTGAGAGCTTTGGAACATGAAAAAGAGG 1410
QY 830 TGAAGACTAGAAACAATTTTGTGCAAGCTGGATGACAGAAATTTGTCTTCTT 889

Db 1411 TGGAGACCTAGAGAGCAATTTTGTGGCAAGCTGGAGTGAAGAAATTTGGCTTCTT 1470
Qy 890 GGTTCCTAGTGGGAGAGAGATTAATTCAGACTCTCTTCAAGGCGTGGCTTAT 949
Db 1471 GGTTCCTAGTGGGAGAGAGATTAATTCAGACTCTCTTCAAGGCGTGGCTTAT 1530
Qy 950 ATTATCTGACATCTATATAGAGAAACTACTCTGAGATGATTTGACACCACTG 1009
Db 1531 ATTATCTGACATCTATATAGAGAAACTACTCTGAGATGATTTGACACCACTG 1530
Qy 1010 ATGTACAGCTTGATTAACAACCTAACAAAGAGCTGAAAGCCTGTGATGAAGCTTTGAA 1069
Db 1591 ATGTACAGCTTGATTAACAACCTAACAAAGAGCTGAAAGCCTGTGATGAAGCTTTGAA 1650
Qy 1070 GGCAAACTCTTTATGAAAGTTGACCTTAAGAAAGCTCTTCCAGAGTTGACGTCATG 1129
Db 1651 GGCAAACTCTTTATGAAAGTTGACCTTAAGAAAGCTCTTCCAGAGTTGACGTCATG 1710
Qy 1130 CCCAGATTAAGCAATTTGGATCTGAAATGATTTTGAAGTCTTCCAGACCTTGA 1189
Db 1711 CCCAGATTAAGCAATTTGGATCTGAAATGATTTTGAAGTCTTCCAGACCTTGA 1770
Qy 1190 ATTGCTTCAGGAGAGAGAGCTGATTAATAAATTGGAAACAAATTCAGGCGCTAT 1249
Db 1771 ATTGCTTCAGGAGAGAGAGCTGATTAATAAATTGGAAACAAATTCAGGCGCTAT 1830
Qy 1250 CCACGTATCAAGTGTCTATGAAACATATGAGTGGTGAAGAAAGTTTATGATCCATG 1309
Db 1831 CCACGTATCAAGTGTCTATGAAACATATGAGTGGTGAAGAAAGTTTATGATCCATG 1890
Qy 1310 TTTAAATATCACTCACTGAGGAGGAGTTCGAGAGAGAGTGGTGGAGTGAAGCAAT 1369
Db 1891 TTTAAATATCACTCACTGAGGAGGAGTTCGAGAGAGAGTGGTGGAGTGAAGCAAT 1950
Qy 1370 TCCATAGTGTCTCTTTTGAATGTGAGATTAATGCTAGTTTAAAGAAAGTATGCTGAC 1429
Db 1951 TCCATAGTGTCTCTTTTGAATGTGAGATTAATGCTAGTTTAAAGAAAGTATGCTGAC 2010
Qy 1430 AAAATCTACA 1439
Db 2011 AAAATCTACA 2020

RESULT 11

US-09-999-833A-617
Sequence 617, Application US/09999833A
Publication No. US20030054405A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi
APPLICANT: Baker Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan
APPLICANT: Ferrara, Napoleon
APPLICANT: Filvaroff, Billen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerltsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Guiney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Kijavian, Ivar J.
APPLICANT: Kuo, Sophia S.
APPLICANT: Nadier, Mary A.
APPLICANT: Pan, James J.
APPLICANT: Peoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.

APPLICANT: Tamas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2630P1C65
CURRENT APPLICATION NUMBER: US/09/999,833A
PRIOR FILING DATE: 2001-10-24
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066364
PRIOR FILING DATE: 1997-11-21
PRIOR APPLICATION NUMBER: 60/07450
PRIOR FILING DATE: 1998-03-10
PRIOR APPLICATION NUMBER: 60/077632
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077641
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077649
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077791
PRIOR FILING DATE: 1998-03-12
PRIOR APPLICATION NUMBER: 60/078004
PRIOR FILING DATE: 1998-03-13
PRIOR APPLICATION NUMBER: 60/078886
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/078936
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/078939
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/079294
PRIOR FILING DATE: 1998-03-25
PRIOR APPLICATION NUMBER: 60/079656
PRIOR FILING DATE: 1998-03-26
PRIOR APPLICATION NUMBER: 60/079664
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079689
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079663
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079728
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079786
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079920
PRIOR FILING DATE: 1998-03-30
PRIOR APPLICATION NUMBER: 60/079923
PRIOR FILING DATE: 1998-03-30
PRIOR APPLICATION NUMBER: 60/080105
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080107
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080165
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080194
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080327
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/080328
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/080333
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/080334
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/081070

PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081049
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081071
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081195
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081203
PRIOR FILING DATE: 1998-04-09
PRIOR APPLICATION NUMBER: 60/081229
PRIOR FILING DATE: 1998-04-09
PRIOR APPLICATION NUMBER: 60/081955
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081817
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081819
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081952
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081838
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/082568
PRIOR FILING DATE: 1998-04-21
PRIOR APPLICATION NUMBER: 60/082569
PRIOR FILING DATE: 1998-04-21
PRIOR APPLICATION NUMBER: 60/082704
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/082804
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/082700
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/082797
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/082796
PRIOR FILING DATE: 1998-04-23
PRIOR APPLICATION NUMBER: 60/083336
PRIOR FILING DATE: 1998-04-27
PRIOR APPLICATION NUMBER: 60/083322
PRIOR FILING DATE: 1998-04-28
PRIOR APPLICATION NUMBER: 60/083392
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083495
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083496
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083499
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083545
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083554
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083558
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083559
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083500
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083742
PRIOR FILING DATE: 1998-04-30
PRIOR APPLICATION NUMBER: 60/084366
PRIOR FILING DATE: 1998-05-05
PRIOR APPLICATION NUMBER: 60/084414
PRIOR FILING DATE: 1998-05-06
PRIOR APPLICATION NUMBER: 60/084441
PRIOR FILING DATE: 1998-05-06
PRIOR APPLICATION NUMBER: 60/084637
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084639
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084640
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084598
PRIOR FILING DATE: 1998-05-07

PRIOR APPLICATION NUMBER: 60/084600
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084627
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084643
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/085339
PRIOR FILING DATE: 1998-05-13
PRIOR APPLICATION NUMBER: 60/085338
PRIOR FILING DATE: 1998-05-13
PRIOR APPLICATION NUMBER: 60/085323
PRIOR FILING DATE: 1998-05-13
PRIOR APPLICATION NUMBER: 60/085582
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085700
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085689
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085579
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085580
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085573
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085704
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085697

Query Match 37.2%; Score 742; DB 10; Length 2558;
Best Local Similarity 99.3%; Pred. No. 0;
Matches 1142; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

290 GACCCGCTGACACTTCTGCTGGGGTGAAGTCTCTACAGACGGTGAATCTTCT 349
Db 871 GACCCGCTGACACTTCTGCTGGGGTGAAGTCTCTACAGACGGTGAATCTTCT 930

350 GGAGGTGTGTCCAGCGTGAATAATCTTAACTGTAATGTGACAGAGACCTCTACA 409
Db 931 GGAGGTGTGTCCAGCGTGAATAATCTTAACTGTAATGTGACAGAGACCTCTACA 990

410 CCAGGTTACCCAGCAATGAATACGTTTATAGCATGAAATTCAGAGCTGTGGTCTT 469
Db 991 CCAGGTTACCCAGCAATGAATACGTTTATAGCATGAAATTCAGAGCTGTGGTCTT 1050

470 CCAAGTATTCGTTGATCAGTGTGATGATGATGATGATGATGATGATGATGATG 529
Db 1051 CCAAGTATTCGTTGATCAGTGTGATGATGATGATGATGATGATGATGATGATG 1110

530 GGTGCTCAGCACACACAGATAGCAGTGAAGAGAGTCTCAAGTGTCTTCAATGTT 589
Db 1111 GGTGCTCAGCACACACAGATAGCAGTGAAGAGAGTCTCAAGTGTCTTCAATGTT 1170

590 GGAACCTGGCTTTTCTGGAACCTTTTACACAAAAGTCAAGTGTGATGATGATGATG 649
Db 1171 GGAACCTGGCTTTTCTGGAACCTTTTACACAAAAGTCAAGTGTGATGATGATGATG 1230

650 AATGAGTGACAGAAATTTACAAATGATAGTACTCTCAGAGAGACAGTGAACAGAC 709
Db 1231 AATGAGTGACAGAAATTTACAAATGATAGTACTCTCAGAGAGACAGTGAACAGAC 1290

710 AGATATGTCAATCTGGAAGTCAACCGGACCTCAAGGTTGTGTGATGATGATGATG 769
Db 1291 AGATATGTCAATCTGGAAGTCAACCGGACCTCAAGGTTGTGTGATGATGATGATG 1350

770 AGTGAAGCAGCTGTGTTTATGAAATCTGAGAGAGTGTGAAACATGAAAAAGAGAG 829
Db 1351 AGTGAAGCAGCTGTGTTTATGAAATCTGAGAGAGTGTGAAACATGAAAAAGAGAG 1410

830 TGGAGACCTAGAGAGCAATTTTGTGCAAGCTGGAGTGAAGAGATTTGCTTCTT 889
Db 1411 TGGAGACCTAGAGAGCAATTTTGTGCAAGCTGGAGTGAAGAGATTTGCTTCTT 1470

890 GGTTCCTAGAGTGGAGAGATTAATGCAAGCTCTTCAAGAGCTGGGCTGCTTAT 949

Db 1471 GGTCTACTGAGTGGGAGAGAGAAATTCAGACTCCTTCAAGAGCGTGGCTTAT 1530
Qy 950 ATTATGTGACTCTATATAGAGAAATCACTCTGAGAGTTGATGACACTG 1009
Db 1531 ATTATGTGACTCTATATAGAGAAATCACTCTGAGAGTTGATGACACTG 1590
Qy 1010 ATGTACAGCTTGTATACAACTTACAAAGAGCTGAAAGCCCTGATGAAGCTTTGA 1069
Db 1591 ATGTACAGCTTGTATACAACTTACAAAGAGCTGAAAGCCCTGATGAAGCTTTGA 1650
Qy 1070 GCGAAATCTTTATGAAAGTTGACTTAAAGAGCTTCCAGAGTTGAGTGGCAGT 1129
Db 1651 GCGAAATCTTTATGAAAGTTGAGTCTTAAAGAGCTTCCAGAGTTGAGTGGCAGT 1710
Qy 1130 CCCGAGTAAGCAAAATTTGGAGTCTGGAATGATTTTGGAGTGTCTTCCAGACTTGA 1189
Db 1711 CCCGAGTAAGCAAAATTTGGAGTCTGGAATGATTTTGGAGTGTCTTCCAGACTTGA 1770
Qy 1190 ATTGCTTCAGGAGAGAGAGGATATCTTAAAGTTGGAGAAACAAATTCAGCGGCTAT 1249
Db 1771 ATTGCTTCAGGAGAGAGAGGATATCTTAAAGTTGGAGAAACAAATTCAGCGGCTAT 1830
Qy 1250 CCAGTATACAGAGTGTCTATGAAACATATGAGTTGTGAAAGTTTATGATCCATG 1309
Db 1831 CCAGTATACAGAGTGTCTATGAAACATATGAGTTGTGAAAGTTTATGATCCATG 1890
Qy 1310 TTTAAATATCACTTCAGTGTGGCCAGGTTGAGAGAGGAGTGTGTTGAGTACCTGAC 1369
Db 1891 TTTAAATATCACTTCAGTGTGGCCAGGTTGAGAGAGGAGTGTGTTGAGTACCTGAC 1950
Qy 1370 TCCATAGTGTCTCTTTGATTTGAGATTTATGCTGAGTGTGTTTAAAGAGTATGCTGAC 1429
Db 1951 TCCATAGTGTCTCTTTGATTTGAGATTTATGCTGAGTGTGTTTAAAGAGTATGCTGAC 2010
Qy 1430 AAAATCTACA 1439
Db 2011 AAAATCTACA 2020

RESULT 12
US-09-981-915A-617
Sequence 617, Application US/09981915A
Publication No. US20030054986A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi
APPLICANT: Baker Kevin P.
APPLICANT: Botstein, David
APPLICANT: Deenoyers, Luc
APPLICANT: Eaton, Dan
APPLICANT: Ferrara, Napoleon
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gertsens, Mary E.
APPLICANT: Goddard, Audrey J.
APPLICANT: Grimaldi, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J
APPLICANT: Kljavin, Ivar J.
APPLICANT: Kuo, Sophia S.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2630P1C12
CURRENT APPLICATION NUMBER: US/09/981,915A
CURRENT FILING DATE: 2001-10-16
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066364
PRIOR FILING DATE: 1997-11-21
PRIOR APPLICATION NUMBER: 60/077450
PRIOR FILING DATE: 1998-03-10
PRIOR APPLICATION NUMBER: 60/077632
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077641
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077649
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077791
PRIOR FILING DATE: 1998-03-12
PRIOR APPLICATION NUMBER: 60/078004
PRIOR FILING DATE: 1998-03-13
PRIOR APPLICATION NUMBER: 60/078886
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/078936
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/078939
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/079294
PRIOR FILING DATE: 1998-03-25
PRIOR APPLICATION NUMBER: 60/079656
PRIOR FILING DATE: 1998-03-26
PRIOR APPLICATION NUMBER: 60/079664
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079689
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079663
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079728
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079786
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079920
PRIOR FILING DATE: 1998-03-30
PRIOR APPLICATION NUMBER: 60/079923
PRIOR FILING DATE: 1998-03-30
PRIOR APPLICATION NUMBER: 60/080105
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080107
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080165
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080194
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080327
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/080328
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/080333
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/080334
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/081070
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081049
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081071

PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081195
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081203
PRIOR FILING DATE: 1998-04-09
PRIOR APPLICATION NUMBER: 60/081229
PRIOR FILING DATE: 1998-04-09
PRIOR APPLICATION NUMBER: 60/081955
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081817
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081819
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081952
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081838
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/082568
PRIOR FILING DATE: 1998-04-21
PRIOR APPLICATION NUMBER: 60/082569
PRIOR FILING DATE: 1998-04-21
PRIOR APPLICATION NUMBER: 60/082704
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/082804
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/082700
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/082797
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/082796
PRIOR FILING DATE: 1998-04-23
PRIOR APPLICATION NUMBER: 60/083336
PRIOR FILING DATE: 1998-04-27
PRIOR APPLICATION NUMBER: 60/083322
PRIOR FILING DATE: 1998-04-28
PRIOR APPLICATION NUMBER: 60/083392
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083495
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083496
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083499
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083545
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083554
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083558
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083559
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083500
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083742
PRIOR FILING DATE: 1998-04-30
PRIOR APPLICATION NUMBER: 60/084366
PRIOR FILING DATE: 1998-05-05
PRIOR APPLICATION NUMBER: 60/084414
PRIOR FILING DATE: 1998-05-06
PRIOR APPLICATION NUMBER: 60/084441
PRIOR FILING DATE: 1998-05-06
PRIOR APPLICATION NUMBER: 60/084637
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084639
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084640
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084598
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084600
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084627
PRIOR FILING DATE: 1998-05-07

PRIOR APPLICATION NUMBER: 60/084643
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/085339
PRIOR FILING DATE: 1998-05-13
PRIOR APPLICATION NUMBER: 60/085338
PRIOR FILING DATE: 1998-05-13
PRIOR APPLICATION NUMBER: 60/085323
PRIOR FILING DATE: 1998-05-13
PRIOR APPLICATION NUMBER: 60/085582
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085700
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085689
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085579
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085580
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085573
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085704
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085697

Query Match 37.2%; Score 742; DB 10; Length 2558;
Best Local Similarity 99.3%; Pred. No. 0;
Matches 1142; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

290 GACCTGCTGACTACTCTTCTCTCTGGGGTGAAGTCTTATCCAGACGGTTGAACTTCTCT 349
871 GACCTGCTGACTACTCTTCTCTCTGGGGTGAAGTCTTATCCAGACGGTTGAACTTCTCT 930

350 GGAAGTGGTGTCCAGGGTGAATAATCTTAATCTGAAGTGCAGAGACCTCTCACA 409
931 GGAAGTGGTGTCCAGGGTGAATAATCTTAATCTGAAGTGCAGAGACCTCTCACA 990

410 CCAGTTTACCAGCAATGAATAGCTTATAGCATGATATGACAGGCTGTGGTCTT 469
991 CCAGTTTACCAGCAATGAATAGCTTATAGCGGTGAATGACAGGCTGTGGTCTT 1050

470 CCAAGTATTCCTGTTTCATCCAGTTGGATACATATGATGACACAGAGCTCTAGAAAAATG 529
1051 CCAAGTATTCCTGTTTCATCCAGTTGGATACATATGATGACACAGAGCTCTAGAAAAATG 1110

530 GGTGGCTCAGACACACAGATAGCACTGAGAGAGAGTCTCAAGTGTCTTCAATGTT 589
1111 GGTGGCTCAGACACACAGATAGCACTGAGAGAGAGTCTCAAGTGTCTTCAATGTT 1170

590 GGAAGTGGTGTCTGGAACCTTTTCTACACAAAAGTCAAGATGCACATCCACTTACC 649
1171 GGAAGTGGTGTCTGGAACCTTTTCTACACAAAAGTCAAGATGCACATCCACTTACC 1230

650 AATGAAGTGCAGAAATTTTCAATGTGATAGTACTCTCAGAGAGAGCATGGAACAGAC 709
1231 AATGAAGTGCAGAAATTTTCAATGTGATAGTACTCTCAGAGAGAGCATGGAACAGAC 1290

710 AGATATGTCACTTGTGGAGGTCACGGGACTCATGSGTGTGTTGATGACCCCTCAG 769
1291 AGATATGTCACTTGTGGAGGTCACGGGACTCATGSGTGTGTTGATGACCCCTCAG 1350

770 AGTGAAGACAGCTGTTTCTCATGAACTGTGAGAGCTTTGGAACACTGAAAAAGAGGG 829
1351 AGTGAAGACAGCTGTTTCTCATGAACTGTGAGAGCTTTGGAACACTGAAAAAGAGGG 1410

830 TGAAGACTTGAAGAACAAATTTTGTGCAAGCTGGAATGCAGAGAAATTTGCTCTT 889
1411 TGAAGACTTGAAGAACAAATTTTGTGCAAGCTGGAATGCAGAGAAATTTGCTCTT 1470

890 GGTTCACAGAGGGGAGAGGTAATCAAGCTCTTCAAGAGGCTGGCGGTCTTAT 949
1471 GGTTCACAGAGGGGAGAGGTAATCAAGCTCTTCAAGAGGCTGGCGGTCTTAT 1530

950 ATTAATGCTGACTCATCTATAGAGAACTACACTGTGAGAGTTGATGTAACCACTG 1009

Db 1531 ATTAATGCTGACTATCTATGAGAGAACTACCTGAGAGTTGATGACACCGCTG 1590
Qy 1010 ATGACAGCTGGTGTATACACCTTAACAAAGAGCTGAAAGCCTGTAAGGCTTGAA 1069
Db 1591 ATGACAGCTGGTGTATACACCTTAACAAAGAGCTGAAAGCCTGTAAGGCTTGAA 1650
Qy 1070 GGCAAACTCTTTTGAAGTTGAGCTAAAGAAAGCTTCCGAGAGTTGAGTGGCATG 1129
Db 1651 GGCAAACTCTTTTGAAGTTGAGCTAAAGAAAGCTTCCGAGAGTTGAGTGGCATG 1710
Qy 1130 CCAGAGTAAGCAATGGGATCTGAAATGATTTTGAAGTGTCTTCCAGAGCTTGGA 1189
Db 1711 CCAGAGTAAGCAATGGGATCTGAAATGATTTTGAAGTGTCTTCCAGAGCTTGGA 1770
Qy 1190 ATTGCTTACGACGACGACGCTATATCTAAATTTGGGAAACAAACAAATTCAGGCTAT 1249
Db 1771 ATTGCTTACGACGACGACGCTATATCTAAATTTGGGAAACAAACAAATTCAGGCTAT 1830
Qy 1250 CCAGTATACAGTGTCTATGAAACATATGATTTGGGAAAGTTTATGATCCATG 1309
Db 1831 CCAGTATACAGTGTCTATGAAACATATGATTTGGGAAAGTTTATGATCCATG 1890
Qy 1310 TTTAAATATCAGCTCACTGTGCGCCAGGTTGAGAGGAGTGTGTTGAGCTAGCCAT 1369
Db 1891 TTTAAATATCAGCTCACTGTGCGCCAGGTTGAGAGGAGTGTGTTGAGCTAGCCAT 1950
Qy 1370 TCCATAGTCTCCCTTTTATGTTGAGATTAATCTGATTTTAAAGAAATGCTGAC 1429
Db 1951 TCCATAGTCTCCCTTTTATGTTGAGATTAATCTGATTTTAAAGAAATGCTGAC 2010
Qy 1430 AAAATCTACA 1439
Db 2011 AAAATCTACA 2020

RESULT 13

US-09-978-824-617
Sequence 617: Application US/09978824
Publication No. US20030055216A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi
APPLICANT: Baker Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Bacon, Dan
APPLICANT: Ferrara, Napoleon
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerltzen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gunney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Kijavini, Ivar J.
APPLICANT: Kuo, Sophia S.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2630P1C14
CURRENT APPLICATION NUMBER: US/09/978, 824
CURRENT FILING DATE: 2001-10-17

PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066364
PRIOR FILING DATE: 1997-11-21
PRIOR APPLICATION NUMBER: 60/077450
PRIOR FILING DATE: 1998-03-10
PRIOR APPLICATION NUMBER: 60/077632
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077641
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077649
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077791
PRIOR FILING DATE: 1998-03-12
PRIOR APPLICATION NUMBER: 60/078004
PRIOR FILING DATE: 1998-03-13
PRIOR APPLICATION NUMBER: 60/078886
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/078936
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/078939
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/079294
PRIOR FILING DATE: 1998-03-25
PRIOR APPLICATION NUMBER: 60/079656
PRIOR FILING DATE: 1998-03-26
PRIOR APPLICATION NUMBER: 60/079664
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079689
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079663
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079728
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079786
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079920
PRIOR FILING DATE: 1998-03-30
PRIOR APPLICATION NUMBER: 60/079923
PRIOR FILING DATE: 1998-03-30
PRIOR APPLICATION NUMBER: 60/080105
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080107
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080165
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080194
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080327
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/080328
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/080333
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/080334
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/081070
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081049
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081071
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081195
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081203

PRIOR FILING DATE: 1998-04-09	PRIOR APPLICATION NUMBER: 60/081229
PRIOR FILING DATE: 1998-04-09	PRIOR APPLICATION NUMBER: 60/081955
PRIOR FILING DATE: 1998-04-15	PRIOR APPLICATION NUMBER: 60/081817
PRIOR FILING DATE: 1998-04-15	PRIOR APPLICATION NUMBER: 60/081819
PRIOR FILING DATE: 1998-04-15	PRIOR APPLICATION NUMBER: 60/081952
PRIOR FILING DATE: 1998-04-15	PRIOR APPLICATION NUMBER: 60/081838
PRIOR FILING DATE: 1998-04-15	PRIOR APPLICATION NUMBER: 60/082568
PRIOR FILING DATE: 1998-04-21	PRIOR APPLICATION NUMBER: 60/082569
PRIOR FILING DATE: 1998-04-21	PRIOR APPLICATION NUMBER: 60/082704
PRIOR FILING DATE: 1998-04-22	PRIOR APPLICATION NUMBER: 60/082804
PRIOR FILING DATE: 1998-04-22	PRIOR APPLICATION NUMBER: 60/082700
PRIOR FILING DATE: 1998-04-22	PRIOR APPLICATION NUMBER: 60/082797
PRIOR FILING DATE: 1998-04-22	PRIOR APPLICATION NUMBER: 60/082766
PRIOR FILING DATE: 1998-04-23	PRIOR APPLICATION NUMBER: 60/083336
PRIOR FILING DATE: 1998-04-27	PRIOR APPLICATION NUMBER: 60/083354
PRIOR FILING DATE: 1998-04-28	PRIOR APPLICATION NUMBER: 60/083322
PRIOR FILING DATE: 1998-04-28	PRIOR APPLICATION NUMBER: 60/083358
PRIOR FILING DATE: 1998-04-29	PRIOR APPLICATION NUMBER: 60/083495
PRIOR FILING DATE: 1998-04-29	PRIOR APPLICATION NUMBER: 60/083496
PRIOR FILING DATE: 1998-04-29	PRIOR APPLICATION NUMBER: 60/083499
PRIOR FILING DATE: 1998-04-29	PRIOR APPLICATION NUMBER: 60/083454
PRIOR FILING DATE: 1998-04-29	PRIOR APPLICATION NUMBER: 60/083554
PRIOR FILING DATE: 1998-04-29	PRIOR APPLICATION NUMBER: 60/083558
PRIOR FILING DATE: 1998-04-29	PRIOR APPLICATION NUMBER: 60/083559
PRIOR FILING DATE: 1998-04-29	PRIOR APPLICATION NUMBER: 60/083500
PRIOR FILING DATE: 1998-04-29	PRIOR APPLICATION NUMBER: 60/083742
PRIOR FILING DATE: 1998-04-30	PRIOR APPLICATION NUMBER: 60/084366
PRIOR FILING DATE: 1998-05-05	PRIOR APPLICATION NUMBER: 60/084414
PRIOR FILING DATE: 1998-05-06	PRIOR APPLICATION NUMBER: 60/084411
PRIOR FILING DATE: 1998-05-06	PRIOR APPLICATION NUMBER: 60/084637
PRIOR FILING DATE: 1998-05-07	PRIOR APPLICATION NUMBER: 60/084639
PRIOR FILING DATE: 1998-05-07	PRIOR APPLICATION NUMBER: 60/084640
PRIOR FILING DATE: 1998-05-07	PRIOR APPLICATION NUMBER: 60/084598
PRIOR FILING DATE: 1998-05-07	PRIOR APPLICATION NUMBER: 60/084600
PRIOR FILING DATE: 1998-05-07	PRIOR APPLICATION NUMBER: 60/084627
PRIOR FILING DATE: 1998-05-07	PRIOR APPLICATION NUMBER: 60/084643
PRIOR FILING DATE: 1998-05-07	PRIOR APPLICATION NUMBER: 60/085339
PRIOR FILING DATE: 1998-05-13	

1	PRIOR APPLICATION NUMBER: 60/085338
2	PRIOR FILING DATE: 1998-05-13
3	PRIOR APPLICATION NUMBER: 60/085323
4	PRIOR FILING DATE: 1998-05-13
5	PRIOR APPLICATION NUMBER: 60/085582
6	PRIOR FILING DATE: 1998-05-15
7	PRIOR APPLICATION NUMBER: 60/085700
8	PRIOR FILING DATE: 1998-05-15
9	PRIOR APPLICATION NUMBER: 60/085689
10	PRIOR FILING DATE: 1998-05-15
11	PRIOR APPLICATION NUMBER: 60/085579
12	PRIOR FILING DATE: 1998-05-15
13	PRIOR APPLICATION NUMBER: 60/085580
14	PRIOR FILING DATE: 1998-05-15
15	PRIOR APPLICATION NUMBER: 60/085573
16	PRIOR FILING DATE: 1998-05-15
17	PRIOR APPLICATION NUMBER: 60/085704
18	PRIOR FILING DATE: 1998-05-15
19	PRIOR APPLICATION NUMBER: 60/085697

Query Match	37.2%;	Score 742;	DB 10;	Length 2558;
Best Local Similarity	99.3%;	Pred. No. 0;		
Matches 1142;	Conservative	0;	Mismatches 8;	Indels 0;
			Gaps	0;

QY	290	GACCCCTCACTACCTTGGCTCCCGGGGTGAAGCTCATCAGACGGTGGAACTTCCT	349
Db	871	GACCCCTCACTACCTTGGCTCCCGGGGTGAAGCTCATCAGACGGTGGAACTTCCT	930
QY	350	GAGAGTGTGTCCAGCGCTGGAAAAATCTAAATCTGAATGGTGGAGAGACCTCTACA	409
Db	931	GAGAGTGTGTCCAGCGCTGGAAAAATCTAAATCTGAATGGTGGAGAGACCTCTACA	990
QY	410	CCAGGTTACCCAGCAAAATGAAATACGCTTATAGCATGGAATTGCAGAGGCTGTGGCTT	469
Db	991	CCAGGTTACCCAGCAAAATGAAATATGCTTATAGGGGTGAAATTGCAGAGGCTGTGGCTT	1050
QY	470	CCAAGTATTCCTGTTCATCCAGTTGGATCTATGATCAAGAAAGCTCCTGAAAAAATG	529
Db	1051	CCAAGTATTCCTGTTCATCCAAATTGGATCTATGATCAAGAAAGCTCCTGAAAAAATG	1110
QY	530	GGTGGCTCAGACACCACAGATAGACGCTGGAGAGAAAGTCTCAAAGTGTCCCTCAATGTT	589
Db	1111	GGTGGCTCAGACACCACAGATAGACGCTGGAGAGAAAGTCTCAAAGTGTCCCTCAATGTT	1170
QY	590	GGAACCTGCTTTACTGGAACCTTTTCTACACAAAAGTCAAGATGCATCTCACTTACC	649
Db	1171	GGAACCTGCTTTACTGGAACCTTTTCTACACAAAAGTCAAGATGCATCTCACTTACC	1230
QY	650	AATGAATGACGAAATTTTCAANTGATAGGTCTCTCAGAGGACGATGGAAACCGAC	709
Db	1231	AATGAATGACGAAATTTTCAANTGATAGGTCTCTCAGAGGACGATGGAAACCGAC	1290
QY	710	AGATATGTCAATCTGGGAGGTCACCGGAGCTCATGGGAGTTTGGTGATTTGACCCCTAG	769
Db	1291	AGATATGTCAATCTGGGAGGTCACCGGAGCTCATGGGAGTTTGGTGATTTGACCCCTAG	1350
QY	770	AGTGAGACAGCTGTGTTCTATGAAACTGTGAGAGCTTTGGACACTGAAAAAGAGGG	829
Db	1351	AGTGAGACAGCTGTGTTCTATGAAATGTGTGAGAGCTTTGGACACTGAAAAAGAGGG	1410
QY	830	TGAGAGACCTTGAAAGAACATTTTGTTCGAAGCTGGGATGCAAGAAATTTGGTCTTCT	889
Db	1411	TGAGAGACCTTGAAAGAACATTTTGTTCGAAGCTGGGATGCAAGAAATTTGGTCTTCT	1470
QY	890	GGTTCCTACAGTGGGACAGAGAAATTTCAAGATCTCCTTCAAGAGCGTGGCGGTGCTAT	949
Db	1471	GGTTCCTACAGTGGGACAGAGAAATTTCAAGATCTCCTTCAAGAGCGTGGCGGTGCTAT	1530
QY	950	ATTATATCTGACTCATCTATAGAGAGAACTACACTGAGAGTTGATTTGTACACACTG	1009
Db	1531	ATTATATCTGACTCATCTATAGAGAGAACTACACTGAGAGTTGATTTGTACACCGCTG	1599
QY	1010	ATGTACAGCTTGTATACAACTTACAAAAGAGCTGAAAAAGCCCTGATGAAGCTTTGAA	1066

Db 1591 ATGACAGCTTGTGATACAACTAACAAAGAGCGTGAAGAGCCCTGATGAAGGCTTGA 1650
Qy 1070 GGCAATCTCTTTATGAAAGTTGACTAAAAAGTCTTCCCAAGTTCACTGCGCATG 1129
Db 1651 GGCAATCTCTTTATGAAAGTTGACTAAAAAGTCTTCCCAAGTTCACTGCGCATG 1710
Qy 1130 CCCAGATTAAGCAATTTGGATCTGGAATATTTTGGATGTTCTTCCAAAGCACTTGA 1169
Db 1711 CCCAGATTAAGCAATTTGGATCTGGAATATTTTGGATGTTCTTCCAAAGCACTTGA 1770
Qy 1190 ATTCCTTCAGGACAGACGCGTATTAATAAATTGGAAACAAATTCAGCGGCTAT 1249
Db 1771 ATTCCTTCAGGACAGACGCGTATTAATAAATTGGAAACAAATTCAGCGGCTAT 1830
Qy 1250 CCATGATATCACTGCTATGAAACATATAGATTGGTGGAAAAAGTTTATGATCCATG 1309
Db 1831 CCATGATATCACTGCTATGAAACATATAGATTGGTGGAAAAAGTTTATGATCCATG 1890
Qy 1310 TTAAATATCACTCACTGTCGCGGAGGTTGAGAGAGGATGTTGAGCTAGCCAT 1369
Db 1891 TTAAATATCACTCACTGTCGCGGAGGTTGAGAGAGGATGTTGAGCTAGCCAT 1950
Qy 1370 TCCATAGTCTCCCTTTGATTTGAGATTATGCTGATTTTAAAGAAATGCTGAC 1429
Db 1951 TCCATAGTCTCCCTTTGATTTGAGATTATGCTGATTTTAAAGAAATGCTGAC 2010
Qy 1430 AAAATCTACA 1439
Db 2011 AAAATCTACA 2020

RESULT 14

US-09-918-585A-617
Sequence 617, Application US/09918585A
Publication No. US20030060406A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi
APPLICANT: Baker Kevin P.
APPLICANT: Botstein, David
APPLICANT: Deenoyers, Luc
APPLICANT: Eaton, Dan
APPLICANT: Ferrara, Napoleon
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerlitsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gutney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Kijavlin, Ivar J.
APPLICANT: Kuo, Sophia S.
APPLICANT: Nadler, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2630P1C1
CURRENT APPLICATION NUMBER: US/09/918,585A
CURRENT FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03

PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066364
PRIOR FILING DATE: 1997-11-21
PRIOR APPLICATION NUMBER: 60/077450
PRIOR FILING DATE: 1998-03-10
PRIOR APPLICATION NUMBER: 60/077632
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077641
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077649
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077791
PRIOR FILING DATE: 1998-03-12
PRIOR APPLICATION NUMBER: 60/078004
PRIOR FILING DATE: 1998-03-13
PRIOR APPLICATION NUMBER: 60/078886
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/078936
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/078939
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/079294
PRIOR FILING DATE: 1998-03-25
PRIOR APPLICATION NUMBER: 60/079656
PRIOR FILING DATE: 1998-03-26
PRIOR APPLICATION NUMBER: 60/079664
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079689
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079663
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079728
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079786
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079920
PRIOR FILING DATE: 1998-03-30
PRIOR APPLICATION NUMBER: 60/079923
PRIOR FILING DATE: 1998-03-30
PRIOR APPLICATION NUMBER: 60/080105
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080107
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080165
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080154
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080327
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/080328
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/080333
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/080334
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/081070
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081049
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081071
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081195
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081203
PRIOR FILING DATE: 1998-04-09
PRIOR APPLICATION NUMBER: 60/081229
PRIOR FILING DATE: 1998-04-09
PRIOR APPLICATION NUMBER: 60/081955
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081817

PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081819
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081952
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081838
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/082568
PRIOR FILING DATE: 1998-04-21
PRIOR APPLICATION NUMBER: 60/082569
PRIOR FILING DATE: 1998-04-21
PRIOR APPLICATION NUMBER: 60/082704
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/082804
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/082700
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/082797
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/082796
PRIOR FILING DATE: 1998-04-23
PRIOR APPLICATION NUMBER: 60/083336
PRIOR FILING DATE: 1998-04-27
PRIOR APPLICATION NUMBER: 60/083322
PRIOR FILING DATE: 1998-04-28
PRIOR APPLICATION NUMBER: 60/083392
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083495
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083496
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083499
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083545
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083554
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083558
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083559
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083500
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083742
PRIOR FILING DATE: 1998-04-30
PRIOR APPLICATION NUMBER: 60/084366
PRIOR FILING DATE: 1998-05-05
PRIOR APPLICATION NUMBER: 60/084414
PRIOR FILING DATE: 1998-05-06
PRIOR APPLICATION NUMBER: 60/084441
PRIOR FILING DATE: 1998-05-06
PRIOR APPLICATION NUMBER: 60/084637
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084639
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084640
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084598
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084600
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084627
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084643
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/085339
PRIOR FILING DATE: 1998-05-13
PRIOR APPLICATION NUMBER: 60/085338
PRIOR FILING DATE: 1998-05-13
PRIOR APPLICATION NUMBER: 60/085323
PRIOR FILING DATE: 1998-05-13
PRIOR APPLICATION NUMBER: 60/085582
PRIOR FILING DATE: 1998-05-15

PRIOR APPLICATION NUMBER: 60/085700
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085689
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/08579
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/08580
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085573
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085704
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085697
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/086023

Query Match 37.2%; Score 742; DB 10; Length 2558;
Best Local Similarity 99.3%; Pred. No. 0;
Matches 1142; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

290 GACCCCTGACACTTCTGCTGCGGGAAGTCCATCCAGAGCTTGAATCTTCT 349
871 GACCCCTGACACTTCTGCTGCGGGAAGTCCATCCAGAGCTTGAATCTTCT 930
350 GGAGTGTGTCCAGCGTGAATATCTTAATCTGAATGTGCAAGACCTCTCACA 409
931 GGAGTGTGTCCAGCGTGAATATCTTAATCTGAATGTGCAAGACCTCTCACA 990
410 CCAGTTACCCAGCAATGAATACGCTTATAGCATGAATTCAGAGCTGTGCTT 469
991 CCAGTTACCCAGCAATGAATACGCTTATAGCATGAATTCAGAGCTGTGCTT 1050
470 CCAAGTATCCCTGCTATCCAGTGTGATGATGATGATGATGATGATGATGAT 529
1051 CCAAGTATCCCTGCTATCCAGTGTGATGATGATGATGATGATGATGATGAT 1110
530 GGTGCTCAGCACCAAGATGACAGTGAAGTCTCAAGTGTCTCAATGTT 589
1111 GGTGCTCAGCACCAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 1170
590 GGAAGTGTGCTTATGGAATCTTTTCTACCAAAAGTCAAGTGCATCCACTACC 649
1171 GGAAGTGTGCTTATGGAATCTTTTCTACCAAAAGTCAAGTGCATCCACTACC 1230
650 AATGAAGTGAAGGATTTTGAATGATGATGATGATGATGATGATGATGATGAT 709
1231 AATGAAGTGAAGGATTTTGAATGATGATGATGATGATGATGATGATGATGAT 1290
710 AGATATGTCATTTGGAAGTCAACCGGACTCATGAGTGTGATGATGATGATGAT 769
1291 AGATATGTCATTTGGAAGTCAACCGGACTCATGAGTGTGATGATGATGATGAT 1350
770 AGTGAAGCAGCTGTGTTGTTGTAAGTGTGGAAGCTTTGGAACATGAAAAGGAG 829
1351 AGTGAAGCAGCTGTGTTGTTGTAAGTGTGGAAGCTTTGGAACATGAAAAGGAG 1410
830 TGAAGACCTAGAGCAAAATTTTGTGCAAGTGGGATGCAAGAAATTTGCTTCT 889
1411 TGAAGACCTAGAGCAAAATTTTGTGCAAGTGGGATGCAAGAAATTTGCTTCT 1470
890 GGTTCCTAGAGTGGGACAGATTAATTCAGACTCTTCAAGAGCGTGGCTGTAT 949
1471 GGTTCCTAGAGTGGGACAGATTAATTCAGACTCTTCAAGAGCGTGGCTGTAT 1530
950 ATTAATGCTGATCTATATAGAGAACTACCTCTGAGAGTTATTTACACACTG 1009
1531 ATTAATGCTGATCTATATAGAGAACTACCTCTGAGAGTTATTTACACACTG 1590
1010 ATGTACAGCTGTGTAATACAACTTAAGAGAGCTGAAGAGCTGTGTAAGAGCTTTGAA 1069
1591 ATGTACAGCTGTGTAATACAACTTAAGAGAGCTGAAGAGCTGTGTAAGAGCTTTGAA 1650
1070 GGCAATCTCTTATGAAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 1129

Db 1651 GGCAATCTCTTATGAAAGTTGACATAAAAAAGCTCTCCAGAGTTCAGTGGCATG 1710
Qy 1130 CCCGAGTATACCAATTTGGGATCTGGAATATTTTGGGTTCTTCCAACTGGA 1189
Db 1711 CCCGAGTATACCAATTTGGGATCTGGAATATTTTGGGTTCTTCCAACTGGA 1770
Qy 1190 ATTCCTCAGGACAGACAGGATATCTAAAAATTGGGAAACAAATTCAGGGGCTAT 1249
Db 1771 ATTCCTCAGGACAGACAGGATATCTAAAAATTGGGAAACAAATTCAGGGGCTAT 1830
Qy 1250 CCACGTATACACAGTCTATGAAACATATGATGTTGTGAAAAATTATGATCCATG 1309
Db 1831 CCACGTATACACAGTCTATGAAACATATGATGTTGTGAAAAATTATGATCCATG 1890
Qy 1310 TTATAATATCACTCTGTCGCGCCAGGTTCGAGAGGAGTGTGTTGACCTAGCCAT 1369
Db 1891 TTATAATATCACTCTGTCGCGCGCCAGGTTCGAGAGGAGTGTGTTGACCTAGCCAT 1950
Qy 1370 TCCATAGTCTCCCTTTTGTGAGATTATGCTGTAGTTTAAAGATATGCTGAC 1429
Db 1951 TCCATAGTCTCCCTTTTGTGAGATTATGCTGTAGTTTAAAGATATGCTGAC 2010
Qy 1430 AAAATCTACA 1439
Db 2011 AAAATCTACA 2020

RESULT 15

US-09-978-423A-617
Sequence 617, Application US/09978423A
Publication No. US20030069178A1

GENERAL INFORMATION:

APPLICANT: Ashkenazi, Avi
APPLICANT: Baker Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan
APPLICANT: Ferrara, Napoleon
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Geritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Grimaldi, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Kijavini, Ivar J.
APPLICANT: Kuo, Sophia S.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2630P1C21
CURRENT APPLICATION NUMBER: US/09/978, 423A
PRIOR FILING DATE: 2002-05-16
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13

PRIOR APPLICATION NUMBER: 60/066364
PRIOR FILING DATE: 1997-11-21
PRIOR APPLICATION NUMBER: 60/077450
PRIOR FILING DATE: 1998-03-10
PRIOR APPLICATION NUMBER: 60/077632
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077641
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077649
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077791
PRIOR FILING DATE: 1998-03-12
PRIOR APPLICATION NUMBER: 60/078004
PRIOR FILING DATE: 1998-03-13
PRIOR APPLICATION NUMBER: 60/078886
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/078936
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/078939
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/079294
PRIOR FILING DATE: 1998-03-25
PRIOR APPLICATION NUMBER: 60/079656
PRIOR FILING DATE: 1998-03-26
PRIOR APPLICATION NUMBER: 60/079664
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079689
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079663
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079728
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079786
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079920
PRIOR FILING DATE: 1998-03-30
PRIOR APPLICATION NUMBER: 60/079923
PRIOR FILING DATE: 1998-03-30
PRIOR APPLICATION NUMBER: 60/080105
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080107
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080165
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080194
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080327
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/080328
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/080333
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/080334
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/081070
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081049
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081071
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081195
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081203
PRIOR FILING DATE: 1998-04-09
PRIOR APPLICATION NUMBER: 60/081229
PRIOR FILING DATE: 1998-04-09
PRIOR APPLICATION NUMBER: 60/081955
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081817
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081819

PRIOR FILING DATE: 1998-04-15
 PRIOR APPLICATION NUMBER: 60/081952
 PRIOR FILING DATE: 1998-04-15
 PRIOR APPLICATION NUMBER: 60/081838
 PRIOR FILING DATE: 1998-04-15
 PRIOR APPLICATION NUMBER: 60/082568
 PRIOR FILING DATE: 1998-04-21
 PRIOR APPLICATION NUMBER: 60/082569
 PRIOR FILING DATE: 1998-04-21
 PRIOR APPLICATION NUMBER: 60/082704
 PRIOR FILING DATE: 1998-04-22
 PRIOR APPLICATION NUMBER: 60/082804
 PRIOR FILING DATE: 1998-04-22
 PRIOR APPLICATION NUMBER: 60/082700
 PRIOR FILING DATE: 1998-04-22
 PRIOR APPLICATION NUMBER: 60/082797
 PRIOR FILING DATE: 1998-04-22
 PRIOR APPLICATION NUMBER: 60/082796
 PRIOR FILING DATE: 1998-04-23
 PRIOR APPLICATION NUMBER: 60/083336
 PRIOR FILING DATE: 1998-04-27
 PRIOR APPLICATION NUMBER: 60/083322
 PRIOR FILING DATE: 1998-04-28
 PRIOR APPLICATION NUMBER: 60/083392
 PRIOR FILING DATE: 1998-04-29
 PRIOR APPLICATION NUMBER: 60/083495
 PRIOR FILING DATE: 1998-04-29
 PRIOR APPLICATION NUMBER: 60/083496
 PRIOR FILING DATE: 1998-04-29
 PRIOR APPLICATION NUMBER: 60/083499
 PRIOR FILING DATE: 1998-04-29
 PRIOR APPLICATION NUMBER: 60/083545
 PRIOR FILING DATE: 1998-04-29
 PRIOR APPLICATION NUMBER: 60/083554
 PRIOR FILING DATE: 1998-04-29
 PRIOR APPLICATION NUMBER: 60/083558
 PRIOR FILING DATE: 1998-04-29
 PRIOR APPLICATION NUMBER: 60/083559
 PRIOR FILING DATE: 1998-04-29
 PRIOR APPLICATION NUMBER: 60/083500
 PRIOR FILING DATE: 1998-04-29
 PRIOR APPLICATION NUMBER: 60/083742
 PRIOR FILING DATE: 1998-04-30
 PRIOR APPLICATION NUMBER: 60/084366
 PRIOR FILING DATE: 1998-05-05
 PRIOR APPLICATION NUMBER: 60/084414
 PRIOR FILING DATE: 1998-05-06
 PRIOR APPLICATION NUMBER: 60/084441
 PRIOR FILING DATE: 1998-05-06
 PRIOR APPLICATION NUMBER: 60/084637
 PRIOR FILING DATE: 1998-05-07
 PRIOR APPLICATION NUMBER: 60/084639
 PRIOR FILING DATE: 1998-05-07
 PRIOR APPLICATION NUMBER: 60/084640
 PRIOR FILING DATE: 1998-05-07
 PRIOR APPLICATION NUMBER: 60/084598
 PRIOR FILING DATE: 1998-05-07
 PRIOR APPLICATION NUMBER: 60/084600
 PRIOR FILING DATE: 1998-05-07
 PRIOR APPLICATION NUMBER: 60/084627
 PRIOR FILING DATE: 1998-05-07
 PRIOR APPLICATION NUMBER: 60/084643
 PRIOR FILING DATE: 1998-05-07
 PRIOR APPLICATION NUMBER: 60/085339
 PRIOR FILING DATE: 1998-05-13
 PRIOR APPLICATION NUMBER: 60/085338
 PRIOR FILING DATE: 1998-05-13
 PRIOR APPLICATION NUMBER: 60/085323
 PRIOR FILING DATE: 1998-05-13
 PRIOR APPLICATION NUMBER: 60/085582
 PRIOR FILING DATE: 1998-05-15
 PRIOR APPLICATION NUMBER: 60/085700
 PRIOR FILING DATE: 1998-05-15

PRIOR APPLICATION NUMBER: 60/085689
 PRIOR FILING DATE: 1998-05-15
 PRIOR APPLICATION NUMBER: 60/085579
 PRIOR FILING DATE: 1998-05-15
 PRIOR APPLICATION NUMBER: 60/085580
 PRIOR FILING DATE: 1998-05-15
 PRIOR APPLICATION NUMBER: 60/085573
 PRIOR FILING DATE: 1998-05-15
 PRIOR APPLICATION NUMBER: 60/085704
 PRIOR FILING DATE: 1998-05-15
 PRIOR APPLICATION NUMBER: 60/085697

Query Match 37.2%; Score 742; DB 10; Length 2558;
 Best Local Similarity 99.3%; Pred. No. 0;
 Matches 1142; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

290 GACCTGCTGACTACTCTTCTCTGGGGTGAAGTCTTATCCAGACCGTTGGAATCTTCTT 349
 871 GACCTGCTGACTACTCTTCTCTGGGGTGAAGTCTTATCCAGACCGTTGGAATCTTCTT 930
 350 GGAGGTGTGTCAGCGTGAATAATCTTAATCTGAATGTGACGAGACCCCTCACA 409
 931 GGAGGTGTGTCAGCGTGAATAATCTTAATCTGAATGTGACGAGACCCCTCACA 990
 410 CCAGGTTACCCAGCAATGAATAGCTTTATAGCATGGAATTGCAGAGCGTGTGCTT 469
 991 CCAGGTTACCCAGCAATGAATAGCTTTATAGCGCTGAATTGCAGAGCGTGTGCTT 1050
 470 CCAGGTTACCTGTTTCATCCAGTTGGATATCTATGATGCACAGAGCTCTAGAAAAATG 529
 1051 CCAGGTTACCTGTTTCATCCAGTTGGATATCTATGATGCACAGAGCTCTAGAAAAATG 1110
 530 GGTTGCTCAGACCAACAGATAGCAGCTGAGAGGAAGCTCAAGTGTCTTCAATATGT 589
 1111 GGTTGCTCAGACCAACAGATAGCAGCTGAGAGGAAGCTCAAGTGTCTTCAATATGT 1170
 590 GGACCTGGCTTTACTGGAATCTTTCTACACAAAAAGTCAAGATGCACATCCACTTACC 649
 1171 GGACCTGGCTTTACTGGAATCTTTCTACACAAAAAGTCAAGATGCACATCCACTTACC 1230
 650 AATGAATGACGAAATTTTACATGTGATGATCTCTCAGAGAGCAGTGAACCAAGC 709
 1231 AATGAATGACGAAATTTTACATGTGATGATCTCTCAGAGAGCAGTGAACCAAGC 1290
 710 AGATATGATCTTGGGAGGTCACCGGACCTATGAGGTGTTGGTATTTGACCTCAG 769
 1291 AGATATGATCTTGGGAGGTCACCGGACCTATGAGGTGTTGGTATTTGACCTCAG 1350
 770 AGTGAGCAGCTGTTGTCATGAATCTGTAGAGCTTTGGAACACTGAAAAAGAGGG 829
 1351 AGTGAGCAGCTGTTGTCATGAATCTGTAGAGCTTTGGAACACTGAAAAAGAGGG 1410
 830 TGAAGCTTGAAGAAATTTTGTTCAGCTGGGATGACAGAAATTTGTCTTCTT 889
 1411 TGAAGCTTGAAGAAATTTTGTTCAGCTGGGATGACAGAAATTTGTCTTCTT 1470
 890 GGTTCAGAGGAGGAGGAGGATTAATCAAGCTCTTCAAGAGGCTGGCGTGTAT 949
 1471 GGTTCAGAGGAGGAGGAGGATTAATCAAGCTCTTCAAGAGGCTGGCGTGTAT 1530
 950 ATTAATGCTGACTCATCTATAGAGAACTACCTGAGAGTTGATGACCACTG 1009
 1531 ATTAATGCTGACTCATCTATAGAGAACTACCTGAGAGTTGATGACCACTG 1590
 1010 ATGTACAGCTTGTGTATACAACTTAACAAAAGCTGAAAAGCCCTGATGAAGCTTTGAA 1069
 1591 ATGTACAGCTTGTGTATACAACTTAACAAAAGCTGAAAAGCCCTGATGAAGCTTTGAA 1650
 1070 GGCATATCTCTTATGAAGTTGGAATAAAAAAGCTTCCCAAGATTCACTGGCATG 1129
 1651 GGCATATCTCTTATGAAGTTGGAATAAAAAAGCTTCCCAAGATTCACTGGCATG 1710
 1130 CCAGATTAAGCAAAATTTGGATCTGGAATGATTTGAGGTGTTCTTCCACAGACTTGA 1189

```
Db      1711  |||||  
         CCCAGGATTAAGCAATTGGATCTGGAATGATTTTGAAGTGTCTTCCAAAGACTTGA 1770  
QY      1190  ATTGCTTCAGGCAAGCAGCGTATACCTAAATAATTGGAAACAAACAAATTACGGCTAT 1249  
Db      1771  ATTGCTTCAGGCAAGCAGCGTATACCTAAATAATTGGAAACAAACAAATTACGGCTAT 1830  
QY      1250  CCACGTATCAGAGTGTCTATGAACAATATGATGTTGGTGAAGAAAGTTTATGATCCAATG 1309  
Db      1831  CCACGTATCAGAGTGTCTATGAACAATATGATGTTGGTGAAGAAAGTTTATGATCCAATG 1890  
QY      1310  TTAAATATCACTCACTGTGCCCCCAGGTTGAGAGGAGATGTGTTGAGCTAGCCAAT 1369  
Db      1891  TTAAATATCACTCACTGTGCCCCCAGGTTGAGAGGAGATGTGTTGAGCTAGCCAAT 1950  
QY      1370  TCCATAGTGTCTCCCTTTTGATGTCGAGATTATGCTGTAGTTTAAAGAAAGTATGCTGAC 1429  
Db      1951  TCCATAGTGTCTCCCTTTTGATGTCGAGATTATGCTGTAGTTTAAAGAAAGTATGCTGAC 2010  
QY      1430  AAAATCTACA 1439  
Db      2011  AAAATCTACA 2020
```

Search completed: February 17, 2004, 20:00:55
Job time : 1270 secs

THIS PAGE BLANK (USPTO)

GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: February 17, 2004, 16:54:29 ; Search time 3553 Seconds
(without alignments)
16742.320 Million cell updates/sec

Title: US-09-973-382C-1

Sequence: 1 agcaatattactactaccaca.....taaaaaaaaaaaaaaaaaa 1992

Scoring table: OLIGO_NUC

Gapop 60.0 , Gapext 60.0

Searched: 27513289 seqs, 14931090276 residues

Word size : 0

Total number of hits satisfying chosen parameters: 55026578

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

Database :

EST:
1: em_estbda:*
2: em_estbnum:*
3: em_estbin:*
4: em_estbnu:*
5: em_estbvw:*
6: em_estbpl:*
7: em_estbro:*
8: em_estbrc:*
9: gb_estb1:*
10: gb_estb2:*
11: gb_estb3:*
12: gb_estb4:*
13: gb_estb5:*
14: gb_estb6:*
15: em_estbfun:*
16: em_estbcom:*
17: em_gse_hum:*
18: em_gse_inv:*
19: em_gse_pln:*
20: em_gse_vrt:*
21: em_gse_fun:*
22: em_gse_mam:*
23: em_gse_mus:*
24: em_gse_pro:*
25: em_gse_rtd:*
26: em_gse_phg:*
27: em_gse_vtl:*
28: gb_gse1:*
29: gb_gse2:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	529	26.6	776	12	BG208080 RST27570
2	460	23.1	1201	9	AL532732 AL532732
3	424	21.3	889	14	CA489536 AGENCOURT
4	414	20.8	885	14	CA976138 AGENCOURT

Result No.	Score	Query Match	Length	DB ID	Description
5	414	20.8	916	14	CA488428 AGENCOURT
6	383	19.2	563	10	AW951407 EST363477
7	349	17.5	1201	9	AL563970 AL563970
8	306	15.4	390	9	AA435800 zc78a10.s
9	294	14.8	1201	9	AL532691 AL532691
10	284	14.3	305	12	BG203378 RST27575
11	281	14.1	797	12	BG202823 RST22191
12	279	14.0	508	14	CB216928 NISC.nq10
13	276	13.9	767	12	BG194269 RST13413
14	242	12.1	427	14	CF135099 UI-HF-CB0
15	229	11.5	432	14	CF141546 UI-HF-CB0
16	227	11.4	657	14	CF146657 UI-HF-CB0
17	223	11.2	625	12	BG206102 RST25537
18	221	11.1	474	10	AW945136 EST361329
19	201	10.1	653	14	CF146985 UI-HF-CB0
20	189	9.5	333	9	AA370337 EST82019
21	175	8.8	411	14	CF139418 UI-HF-CB0
22	165	8.3	319	14	CF146112 UI-HF-CB0
23	158	7.9	296	9	AA371450 EST83235
24	158	7.9	681	14	CF145338 UI-HF-CB0
25	150	7.5	321	12	BG221564 RST41377
26	149	7.5	426	9	AW000926 w90e01.x
27	149	7.5	442	14	N48056 w90e01.x
28	149	7.5	471	9	AI356718 gy17a12.x
29	149	7.5	474	9	AI474492 th21d01.x
30	149	7.5	478	10	AM207840 UI-H-BI2
31	149	7.5	545	12	BQ227857 UI-H-CO0
32	149	7.5	548	10	BF438644 nab89b03.
33	149	7.5	618	9	AI766427 wh49n09.x
34	149	7.5	690	9	AI672408 ey64g12.x
35	149	7.5	770	9	AI050871 gy47b11.x
36	145	7.3	452	14	N64840 yz31h07.s1
37	143	7.2	909	13	BQ248549 AGENCOURT
38	139	7.0	720	10	BF940223 nac70c04.
39	138	6.9	492	14	N75691 yv29h07.t1
40	131	6.6	420	9	AI690667 kx15c10.x
41	128	6.4	420	9	AA879028 nw87e05.s
42	128	6.4	462	9	AA897668 o178c06.8
43	122	6.1	882	14	CF146716 UI-HF-CB0
44	117	5.9	352	10	BF673465 602136247
45	117	5.9	395	9	AA631303 ng90g07.s

ALIGNMENTS

RESULT 1
LOCUS BG208080/c
DEFINITION RST27570 Atherys RAGE Library Homo sapiens cDNA, mRNA sequence.
ACCESSION BG208080
VERSION BG208080.1 GI:13729767
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
REFERENCE Harrington,J.J., Sherf,B., Rundlett,S., Jackson,P.D., Perry,R., Cain,S., Leventhal,C., Thornton,M., Ramachandran,R., Whittington,J., Lerner,L., Costanzo,D., McElligott,K., Boozer,S., Maye,R., Smith,E., Veloso,N., Klike,A., Hesse,J., Cothren,K., Lo,K., Ofendacher,J., Danzig,V., and Ducar,M.
TITLE Creation of genome-wide protein expression libraries using random activation of gene expression
JOURNAL Nat. Biotechnol. 19 (5), 440-445 (2001)
MEDLINE 21227151
PUBMED 11328013
COMMENT Contact: Scott J. Cain
Atherys, Inc.
3201 Carnegie Ave, Cleveland, OH 44115, USA
Tel: 216 431 9900
Fax: 216 361 9596

Email: scain@atherys.com
High quality sequence stop: 453.

FEATURES

source

1. 776
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/cell_line="HT1080"
/clone_lib="Atherys RAGE Library"
/note="See 'Creation of Genome-wide Protein Expression Libraries using Random Activation of Gene Expression', Nature Biotechnology, in press. Note that even though the cell type indicated is HT1080, since a random activation method was used, these sequence tags are not necessarily expressed in HT1080 under normal circumstances."

ORIGIN

Query Match 26.6%; Score 529; DB 12; Length 776;
Best Local Similarity 99.8%; Pred. No. 4.2e-90;
Matches 579; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

1411 TTTAAGAAAGTATGCTGACAAATCTAACAATTTCTATGAAACATCCACAGAAATGAA 1470
580 TTTAAGAAAGTATGCTGACAAATCTAACAATTTCTATGAAACATCCACAGAAATGAA 521
1471 GACATACGTTTATCATTTGATCACTTTTCTGACAGTAAATTTTACAGAAATGCG 1530
520 GACATACGTTTATCATTTGATCACTTTTCTGACAGTAAATTTTACAGAAATGCG 461
1531 TTCCAAAGTTCAGAGAGAGACTCCAGAGCTTGAACAAAGCAACCAATATTGTTAAGAT 1590
460 TTCCAAAGTTCAGAGAGAGACTCCAGAGCTTGAACAAAGCAACCAATATTGTTAAGAT 401
1591 GATGAATGATCACTCATGTTTCTGAAAGAGACATTTATGATCATTAGGGTTACAGA 1650
400 GATGAATGATCACTCATGTTTCTGAAAGAGACATTTATGATCATTAGGGTTACAGA 341
1651 CAGACCTTTTATAGAGATGATCTATGCTCCAGAGAGCACAACAAAGATGACAGGGGA 1710
340 CAGACCTTTTATAGAGATGATCTATGCTCCAGAGAGCACAACAAAGATGACAGGGGA 281
1711 GTCATTTCCAGAAATTTATGATGCTCTGTTGATTAATGAAGCAAGATGACCTTCCAA 1770
280 GTCATTTCCAGAAATTTATGATGCTCTGTTGATTAATGAAGCAAGATGACCTTCCAA 221
1771 GGCCTGGGAGATGTGAAGAGACAGATTTCTGTTGACGCTTCAACATGACAGCTGC 1830
220 GGCCTGGGAGATGTGAAGAGACAGATTTCTGTTGACGCTTCAACATGACAGCTGC 161
1831 AGAGACTTTAGAGAGTACGCTTAAGAGATTTCTTTAGAGACTCTGATTTGAATTTGTG 1890
160 AGAGACTTTAGAGAGTACGCTTAAGAGATTTCTTTAGAGACTCTGATTTGAATTTGTG 101
1891 GGTATGCTCACTCAAGAAATTAATGAGTATTAATTTTAAATTTGATATTTG 1950
100 GGTATGCTCACTCAAGAAATTAATGAGTATTAATTTTAAATTTGATATTTG 41
1951 AAATTAAGTTGAATTTATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 1990
40 AAATTAAGTTGAATTTATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 1

RESULT 2
AL532732 1201 bp mRNA linear EST 23-MAY-2003
LOCUS AL532732 Homo sapiens ADULT BRAIN Homo sapiens cDNA clone
DEFINITION CS0DN001YK13 5-PRIME, mRNA sequence.
ACCESSION AL532732
VERSION AL532732.2 GI:31070564
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

REFERENCE
1 (bases 1 to 1201)
AUTHORS Li, W.B., Gruber, C., Jesse, J. and Polayes, D.
TITLE Full-length cDNA libraries and normalization
JOURNAL Unpublished (2001)
COMMENT On Feb 13, 2001 this sequence version replaced gi:12796225.
CONTACT: Genoscope
Genoscope - Centre National de Sequencage
BP 191 91006 Evry cedex - France
Email: seq@genoscope.cns.fr, Web: www.genoscope.cns.fr
Library was constructed by Life Technologies, a division of Invitrogen. This sequence belongs to sequence cluster 5903.r For more information about this cluster, see
http://www.genoscope.cns.fr/
cgi-bin/cluster.cgi?seq=CS0DN001YK13&cluster=5903.r. Contact :
Feng Liang Email: fliang@lifetech.com URL :
http://fulllength.invitrogen.com/ Invitrogen Corporation 1600
Faraday Avenue Genoscope sequence ID : CS0DN001AF07QPL.

FEATURES

source

1. 1201
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="CS0DN001YK13"
/issue_type="ADULT BRAIN"
/dev_stage="adult"
/clone_lib="Homo sapiens ADULT BRAIN"
/note="Organ: Brain; Vector: pCMVSPORT 6; 1st strand cDNA was primed with a NotI-oligo (dT) primer. Five prime end enriched, double-strand cDNA was digested with Not I and cloned into the Not I and EcoRV sites of the pCMVSPORT 6 vector. Library was not normalized."

ORIGIN

Query Match 23.1%; Score 460; DB 9; Length 1201;
Best Local Similarity 99.1%; Pred. No. 2e-77;
Matches 860; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

290 GACCTGCTGACTACTTCTGCTGGGGTGAAGTCTTATCCAGACGGTTGAAATCTTCT 349
125 GACCTGCTGACTACTTCTGCTGGGGTGAAGTCTTATCCAGACGGTTGAAATCTTCT 184
350 GAGGTGCTGCTCAGAGGTGAATATCTAAATCTGAATGTGACAGAGACCTCTCACA 409
185 GAGGTGCTGCTCAGAGGTGAATATCTAAATCTGAATGTGACAGAGACCTCTCACA 244
410 CCAAGTTACCCAGCAATGAATACGTTATAGCATGAATTGACAGAGCTGTGTCTT 469
245 CCAAGTTACCCAGCAATGAATATGCTTATAGCGGTGAATTGACAGAGCTGTGTCTT 304
470 CCAAGTTACCCAGCAATGAATATGCTTATAGCATGAATTGACAGAGCTGTGTCTT 529
305 CCAAGTTACCCAGCAATGAATATGCTTATAGCATGAATTGACAGAGCTGTGTCTT 364
530 GGTGCTGACACACACAGATAGAGCTGGAAGAGTCTCAAAAGTGTCTCAATATGTT 589
365 GGTGCTGACACACACAGATAGAGCTGGAAGAGTCTCAAAAGTGTCTCAATATGTT 424
590 GGAAGTGGCTTTTACTGAAACCTTTTCTACACAAAAGTCAAGATGACATCTTACC 649
425 GGAAGTGGCTTTTACTGAAACCTTTTCTACACAAAAGTCAAGATGACATCTTACC 484
650 AATGAAGTACAGGAATTTTACATGTGATGATCTCTACAGAGACATGGAACAGAGC 709
485 AATGAAGTACAGGAATTTTACATGTGATGATCTCTACAGAGACATGGAACAGAGC 544
710 AGATATGCTATCTGGAGAGTCAACGGGACTCATGGGTGTTGGTATTTGACCTCTAG 769
545 AGATATGCTATCTGGAGAGTCAACGGGACTCATGGGTGTTGGTATTTGACCTCTAG 604
770 AGTGAAGACGCTGTTTTCATGAATGTTGAGAGCTTTGGAACACTGAAAAAGAGAG 829
605 AGTGAAGACGCTGTTTTCATGAATGTTGAGAGCTTTGGAACACTGAAAAAGAGAG 664

Query Match 21.3%; Score 424; DB 14; Length 889;
 Best Local Similarity 99.6%; Pred. No. 1,4e-70;
 Matches 524; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 830 TGGAGACCTAGAGAACAAATTTGTTGCAAGCTGGATGCGAAGAAATTTGGCTTCTT 889
 DB 665 TGGAGACCTAGAGAACAAATTTGTTGCAAGCTGGATGCGAAGAAATTTGGCTTCTT 724
 QY 890 GGTTCCTAGTGGGAGAGAGATTAATCAAGACTCTTCAAGAGCGTGGCGCTTAT 949
 DB 725 GGTTCCTAGTGGGAGAGAGATTAATCAAGACTCTTCAAGAGCGTGGCGCTTAT 784
 QY 950 ATTAATGCTGATCTATATAGAGAACTGACCTGAGAGTTGATGACCCACTG 1009
 DB 785 ATTAATGCTGATCTATATAGAGAACTGACCTGAGAGTTGATGACCCACTG 844
 QY 1010 ATGACAGCTGTGATACAACTTAACAAAGAGCTGAAAAGCCCTGATGAAAGCTTGA 1069
 DB 845 ATGACAGCTGTGATACAACTTAACAAAGAGCTGAAAAGCCCTGATGAAAGCTTGA 904
 QY 1070 GGCATAATCTCTTATGAAAGTTGAGCTAATAAAAGTCTTCCGAGAGTTCAAGTGCATG 1129
 DB 905 GGCATAATCTCTTATGAAAGTTGAGCTAATAAAAGTCTTCCGAGAGTTCAAGTGCATG 964
 QY 1130 CCCAGATTAAGCAATTTGGATCTGGA 1157
 DB 965 CCCAGATTAAGCAATTTGGATCTGGA 992

RESULT 3
 CA489536 889 bp mRNA linear EST 14-NOV-2002

LOCUS AGENCOURT_10810626 MAFCL Homo sapiens cDNA clone IMAGE:6722010 5',
 mRNA sequence.

ACCESSION CA489536
 VERSION CA489536.1 GI:24952327

KEYWORDS EST.
 SOURCE Homo sapiens (human)

ORGANISM Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.

REFERENCE 1 (bases 1 to 889)
 NIH-MGC http://mgc.nci.nih.gov/
 National Institutes of Health, Mammalian Gene Collection (MGC)

JOURNAL Unpublished (1999)
 COMMENT Contact: Robert Strausberg, Ph.D.
 Email: cgabs-r@mail.nih.gov
 Tissue Procurement: Kristi A. Eglund, Ira Pastan
 cDNA Library Preparation: Invitrogen Corp
 DNA Library Arrayed by: The I.M.A.G.E. Consortium (LNL)
 DNA Sequencing by: Agencourt Bioscience Corporation
 Clone distribution: MGC clone distribution information can be
 found through the I.M.A.G.E. Consortium/LNL at:
 http://image.llnl.gov
 Plate: LHAM14284 row: a column: 18
 High quality sequence stop: 670.

FEATURES
 source Location/Qualifiers

1. 889
 /organism="Homo sapiens"
 /mol_type="mRNA"
 /db_xref="taxon:9606"
 /clone="IMAGE:6722010"
 /cell_line="ZR-75-1, MCF7, SK-BR-3, MDA-MB-231,
 hTERT-HME1, LNCaP"
 hTERT-HME1, LNCaP"
 /lab_host="EMD10B"
 /clone_id="MAFCL"
 /note="Vector: pCMV-SPORT6, Site 1: EcoRV, Site 2: Not I;
 Subtracted with brain, liver, lung, kidney and muscle.
 Directionally cloned. Priming method: oligo-dT. Average
 insert size: 1800 bp. Library amplification: 26,000 fold.
 Kristi A. Eglund, James J. Vincent, Robert Strausberg,
 Bunkook Lee & Ira Pastan. Discovery of new breast
 cancer genes encoding membrane and secreted proteins.
 Manuscript submitted."

ORIGIN

Query Match 21.3%; Score 424; DB 14; Length 889;
 Best Local Similarity 99.6%; Pred. No. 1,4e-70;
 Matches 524; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 914 AATTCAGACTCTTCAAGAGCGTGGGCTTATATTAATGCTGATCTATAGAA 973
 DB 39 AATTCAGACTCTTCAAGAGCGTGGGCTTATATTAATGCTGATCTATAGAA 98
 QY 974 GGAACCTACCTGAGAGTTGATGATGACCCCTGATGACAGCTTGTGATCAACTA 1033
 DB 99 GGAACCTACCTGAGAGTTGATGATGACCCCTGATGACAGCTTGTGATCAACTA 158
 QY 1034 ACAAAAGAGCTGAAAAGCCCTGATGAAAGCTTGAAGCAATCTCTTATGAAAGTTG 1093
 DB 159 ACAAAAGAGCTGAAAAGCCCTGATGAAAGCTTGAAGCAATCTCTTATGAAAGTTG 218
 QY 1094 ACTAAAAAAGTCTTCCCGAGATTCAAGTGCATGCCAGATTAAGCAATTTGGATCT 1153
 DB 219 ACTAAAAAAGTCTTCCCGAGATTCAAGTGCATGCCAGATTAAGCAATTTGGATCT 278
 QY 1154 GGAATGATTTTGAAGTGTCTTCCCAAGCTTGAAGTCTTCAAGAGAGACGAT 1213
 DB 279 GGAATGATTTTGAAGTGTCTTCCCAAGCTTGAAGTCTTCAAGAGAGACGAT 338
 QY 1214 ACTAAAAATTGGGAAAACAATTCAGCGCTATTCAGTGTCTATGAA 1273
 DB 339 ACTAAAAATTGGGAAAACAATTCAGCGCTATTCAGTGTCTATGAA 398
 QY 1274 ACATATGAGTTGTGAAAAGTTTATGATCAATGTTTAAATATCACTCACTGTGGCC 1333
 DB 399 ACATATGAGTTGTGAAAAGTTTATGATCAATGTTTAAATATCACTCACTGTGGCC 458
 QY 1334 CAGGTCGAGAGAGGATGAGTTTGAAGCTGACCAATTCATGCTCTTCTTGTATGT 1393
 DB 459 CAGGTCGAGAGAGGATGAGTTTGAAGCTGACCAATTCATGCTCTTCTTGTATGT 518
 QY 1394 CGAGATTATGCTAGTTTAAAGAGTATGTCGACAAATCTACA 1439
 DB 519 CGAGATTATGCTAGTTTAAAGAGTATGTCGACAAATCTACA 564

RESULT 4
 CA976138 885 bp mRNA linear EST 06-JAN-2003

LOCUS AGENCOURT_8955013 Lupsk1_sciatic_erve Homo sapiens cDNA clone
 IMAGE:6202554 5', mRNA sequence.

ACCESSION CA976138
 VERSION CA976138.1 GI:27508792

KEYWORDS EST.
 SOURCE Homo sapiens (human)

ORGANISM Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.

REFERENCE 1 (bases 1 to 885)
 NIH-MGC http://mgc.nci.nih.gov/
 National Institutes of Health, Mammalian Gene Collection (MGC)

JOURNAL Unpublished (1999)
 COMMENT Contact: Robert Strausberg, Ph.D.
 Email: cgabs-r@mail.nih.gov
 Tissue Procurement: Dr. James R. Lupski
 Tissue Procurement: Life Technologies, Inc.
 cDNA Library Preparation: Life Technologies, Inc.
 DNA Library Arrayed by: The I.M.A.G.E. Consortium (LNL)
 DNA Sequencing by: Agencourt Bioscience Corporation
 Clone distribution: MGC clone distribution information can be
 found through the I.M.A.G.E. Consortium/LNL at:
 http://image.llnl.gov
 Plate: LHAM13620 row: m column: 19
 High quality sequence stop: 643.

FEATURES
 source Location/Qualifiers

1. 885
 /organism="Homo sapiens"
 /mol_type="mRNA"
 /db_xref="taxon:9606"

```

/clone="IMAGE:6202554"
/sex="male"
/tissue_type="sciatic nerve"
/dev_stage="adult, 70 Yr"
/lab_host="DH10B"
/clone_lib="Lupski, sciatic nerve"
/notes="Vector: PCMV-SPORT6 (Life Technologies); Site_1:
NotI; Site_2: SalI; cDNA made by oligo-dT priming.
Directionally cloned using the following adaptors:
5'-TCGACCCAGCGCTCG-3' and
5'-GACTAGTTCTAGATCGGAGCGGCCCT(15)-3'. Size selected >
1 kb for average insert length 1.87 kb. This is a primary
library, non-amplified. Library constructed by Life
Technologies and donated by J. Lupski, M.D./Ph.D. (Baylor
College of Medicine) and is available through Life
Technologies."

```

ORIGIN

```

Query Match      20.8%; Score 414; DB 14; Length 885;
Best Local Similarity 100.0%; Pred. No. 1e-68;
Matches 414; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1026 ACAACCTAACAAAGAGCTGAAAAAGCCCTGATGAGAGGCTTTGAAGGCAATCTTTATG 1085
DB 51 ACAACCTAACAAAGAGCTGAAAAAGCCCTGATGAGAGGCTTTGAAGGCAATCTTTATG 110
QY 1086 AAAGTTGACTAAAAAGTCTTCCCAAGTTCAGTGGCATGCCAGGTAAGCAAT 1145
DB 111 AAAGTTGACTAAAAAGTCTTCCCAAGTTCAGTGGCATGCCAGGTAAGCAAT 170
QY 1146 TGGGATCTGAAATGATTTTGAAGTGTCTTCCACAGCTGGAATGCTTCAGGAGAG 1205
DB 171 TGGGATCTGAAATGATTTTGAAGTGTCTTCCACAGCTGGAATGCTTCAGGAGAG 230
QY 1206 CAGGTAATCTAAAAATTGGGAAACAAACAAATTCACGGCTATCCATGATCAGTG 1265
DB 231 CAGGTAATCTAAAAATTGGGAAACAAACAAATTCACGGCTATCCATGATCAGTG 290
QY 1266 TCTATGAAACATATGATTTGAGTGTGGAAGTTTATGATTCAGTGAATATCACTCA 1325
DB 291 TCTATGAAACATATGATTTGAGTGTGGAAGTTTATGATTCAGTGAATATCACTCA 350
QY 1326 CTGTGCCCCAGGTTCCAGAGAGGATGCTGTTGAGTACGCAATTCATAGTCCCTT 1385
DB 351 CTGTGCCCCAGGTTCCAGAGAGGATGCTGTTGAGTACGCAATTCATAGTCCCTT 410
QY 1386 TTGATTGTGAGATTATGCTGTAGTTTAAAGAAAGTATGCTGACAAATCTACA 1439
DB 411 TTGATTGTGAGATTATGCTGTAGTTTAAAGAAAGTATGCTGACAAATCTACA 464

```

```

RESULT 5
LOCUS CA488428 916 bp mRNA linear EST 14-NOV-2002
DEFINITION AGENCOURT 10809202 MAFCL Homo sapiens cDNA clone IMAGE:6720185 5',
CA488428
ACCESSION CA488428.1 GI:24950277
VERSION CA488428.1
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
REFERENCE NIH-MGC http://mgc.nci.nih.gov/
AUTHORS National Institutes of Health, Mammalian Gene Collection (MGC)
JOURNAL Unpublished (1999)
COMMENT Contact: Robert Strausberg, Ph.D.
Email: ggapbs-remail.nih.gov
Tissue Procurement: Kristi A. Egland, Ira Pastan
cDNA Library Preparation: Invitrogen Corp
CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LINTL)
DNA Sequencing by: Agencourt Bioscience Corporation

```

```

FEATURES
source
Clone distribution: MGC clone distribution information can be
found through the I.M.A.G.E. Consortium/LINTL at:
http://image.llnl.gov
Plate: LHAM14279 row e column 17
High quality sequence stop: 448.
Location/Qualifiers
1. 916
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="IMAGE:6720185"
/cell_line="ZR-75-1, MCF7, SK-BR-3, MDA-MB-231,
hTERT-HM1, LNCaP"
/lab_host="EMDH10B"
/clone_lib="MAPEL"
/notes="Vector: PCMV-SPORT6; Site_1: EcoRV; Site_2: Not I;
Subtracted with brain, liver, lung, kidney and muscle.
Directionally cloned. Priming method: oligo-dT. Average
insert size: 1800 bp. Library amplification: 26,000 fold.
Kristi A. Egland, James J. Vincent, Robert Strausberg,
Bungkok Lee & Ira Pastan: Discovery of new breast
cancer genes encoding membrane and secreted proteins.
Manuscript submitted."

```

ORIGIN

```

Query Match      20.8%; Score 414; DB 14; Length 916;
Best Local Similarity 100.0%; Pred. No. 9.8e-69;
Matches 414; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1026 ACAACCTAACAAAGAGCTGAAAAAGCCCTGATGAGAGGCTTTGAAGGCAATCTTTATG 1085
DB 42 ACAACCTAACAAAGAGCTGAAAAAGCCCTGATGAGAGGCTTTGAAGGCAATCTTTATG 101
QY 1086 AAAGTTGACTAAAAAGTCTTCCCAAGTTCAGTGGCATGCCAGGTAAGCAAT 1145
DB 102 AAAGTTGACTAAAAAGTCTTCCCAAGTTCAGTGGCATGCCAGGTAAGCAAT 161
QY 1146 TGGGATCTGAAATGATTTTGAAGTGTCTTCCACAGCTGGAATGCTTCAGGAGAG 1205
DB 162 TGGGATCTGAAATGATTTTGAAGTGTCTTCCACAGCTGGAATGCTTCAGGAGAG 221
QY 1206 CAGGTAATCTAAAAATTGGGAAACAAACAAATTCACGGCTATCCATGATCAGTG 1265
DB 222 CAGGTAATCTAAAAATTGGGAAACAAACAAATTCACGGCTATCCATGATCAGTG 281
QY 1266 TCTATGAAACATATGATTTGAGTGTGGAAGTTTATGATTCAGTGAATATCACTCA 1325
DB 282 TCTATGAAACATATGATTTGAGTGTGGAAGTTTATGATTCAGTGAATATCACTCA 341
QY 1326 CTGTGCCCCAGGTTCCAGAGAGGATGCTGTTGAGTACGCAATTCATAGTCCCTT 1385
DB 342 CTGTGCCCCAGGTTCCAGAGAGGATGCTGTTGAGTACGCAATTCATAGTCCCTT 401
QY 1386 TTGATTGTGAGATTATGCTGTAGTTTAAAGAAAGTATGCTGACAAATCTACA 1439
DB 402 TTGATTGTGAGATTATGCTGTAGTTTAAAGAAAGTATGCTGACAAATCTACA 455

```

```

RESULT 6
LOCUS AW951407 563 bp mRNA linear EST 01-JUN-2000
DEFINITION EST363477 MAGE resequences, MAGEB Homo sapiens cDNA, mRNA sequence.
ACCESSION AW951407
VERSION AW951407.1 GI:8141080
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
REFERENCE NIH-MGC http://mgc.nci.nih.gov/
AUTHORS National Institutes of Health, Mammalian Gene Collection (MGC)
JOURNAL Unpublished (1999)
COMMENT Contact: Robert Strausberg, Ph.D.
Email: ggapbs-remail.nih.gov
Tissue Procurement: Kristi A. Egland, Ira Pastan
cDNA Library Preparation: Invitrogen Corp
CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LINTL)
DNA Sequencing by: Agencourt Bioscience Corporation

```

```

REFERENCE 1 (bases 1 to 563)
AUTHORS Hegde, P., Qi, R., Abernathy, K., Dharap, S., Gaspard, R., Gay, C.,
Holt, I. E., Saeed, A. I., Sharov, V., Lee, N. H., Yeatman, T. J. and
Quackenbush, J.

```


TITLE Assessment of gene expression patterns in a model of colon tumor metastasis using a 19,200 element cDNA microarray

JOURNAL Unpublished (2000)

COMMENT Contact: John Quackenbush
The Institute for Genomic Research
9712 Medical Center Dr., Rockville, MD 20850, USA
Tel: 301 838 3528
Fax: 301 838 0208
Email: johnq@tigr.org
Plate: 27

FEATURES

source Location/Qualifiers

1..563
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone_lib="MAGE resequences, MAGE"
/note="Vector: pBluescriptSKm"

ORIGIN

Query Match 19.2%; Score 383; DB 10; Length 563;
Best Local Similarity 100.0%; Pred. No. 9.3e-63;
Matches 383; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1026 ACAACTAACAAGAGCTGAAAGCCCTGATGAAGCTTGAAGCAATCTCTTATG 1085
DB 71 ACAACCTAACAAAGAGCTGAAAGCCCTGATGAAGCTTGAAGCAATCTCTTATG 130
QY 1086 AAGTTGACTAAAAAAGTCTTCCCGAGATTCAGTGCATGCCAGATTAAGCAAT 1145
DB 131 AAGTTGACTAAAAAAGTCTTCCCGAGATTCAGTGCATGCCAGATTAAGCAAT 190
QY 1146 TGGGATCGGAAAGATTTGAGGTGTTCTTCAACAGCTTGAATGCTTCAGGCAAG 1205
DB 191 TGGGATCTGAAATGATTTGAGGTGTTCTTCAACAGCTTGAATGCTTCAGGCAAG 250
QY 1206 CACGGTATCTAAAAATTGGGAAACAACAATTCAAGGCTATCCACTGATCACAGT 1265
DB 251 CACGGTATCTAAAAATTGGGAAACAACAATTCAAGGCTATCCACTGATCACAGT 310
QY 1266 TCTATGAAACATATGAGTTGGTGAAGATTTATGATCCAGTGTAAATATCACCTCA 1325
DB 311 TCTATGAAACATATGAGTTGGTGAAGATTTATGATCCAGTGTAAATATCACCTCA 370
QY 1326 CTGTGGCCCAAGTTCGAGGAGGATGAGTGTGAGCTAAGCAATTCATAGTCTCCCTT 1385
DB 371 CTGTGGCCCAAGTTCGAGGAGGATGAGTGTGAGCTAAGCAATTCATAGTCTCCCTT 430
QY 1386 TTGATTTGCGAGATTATGCTGTA 1408
DB 431 TTGATTTGCGAGATTATGCTGTA 453

RESULT 7
AL563970/c 1201 bp mRNA linear EST 31-MAY-2003

LOCUS AL563970 Homo sapiens FETAL LIVER Homo sapiens cDNA clone
DEFINITION CS0DM001YE22 3-PRIME, mRNA sequence.

ACCESSION AL563970
VERSION AL563970.2 GI:31287955
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens

REFERENCE 1 (bases 1 to 1201)
Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.

AUTHORS Li, W.-B., Gruber, C., Jesse, J., and Polayes, D.
TITLE Full-length cDNA libraries and normalization
JOURNAL Unpublished (2001)
COMMENT On Feb 15, 2001 this sequence version replaced gi:12913887.

Genoscope - Centre National de Sequencage
BP 191 91006 EVRY cedex - France

FEATURES

source Location/Qualifiers

1..1201
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone_lib="FETAL LIVER"
/issue_type="FETAL LIVER"
/dev_stage="Fetal"
/clone_lib="Homo sapiens FETAL LIVER"
/note="Organ: liver; Vector: pCMVSPORT 6; 1st strand cDNA was primed with a NotI-oligo(dT) primer. Five prime end enriched, double-strand cDNA was digested with Not I and cloned into the Not I and EcoRV sites of the pCMVSPORT 6 vector. Library was not normalized."

ORIGIN

Query Match 17.5%; Score 349; DB 9; Length 1201;
Best Local Similarity 100.0%; Pred. No. 9.8e-57;
Matches 349; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1091 TGGACTAAAAAAGTCTTCCCGAGATTCAGTGCATGCCAGATTAAGCAATTTGGGA 1150
DB 861 TGGACTAAAAAAGTCTTCCCGAGATTCAGTGCATGCCAGATTAAGCAATTTGGGA 802
QY 1151 TCTGAAATGATTTGAGGTGTTCTTCAACAGCTTGAATGCTTCAGGCAAGCAAG 1210
DB 801 TCTGAAATGATTTGAGGTGTTCTTCAACAGCTTGAATGCTTCAGGCAAGCAAG 742
QY 1211 TATACCTAAAAATTGGGAAACAACAATTCAAGGCTATCCACTGATCACAGTCTAT 1270
DB 741 TATACCTAAAAATTGGGAAACAACAATTCAAGGCTATCCACTGATCACAGTCTAT 682
QY 1271 GAAACATATGATGTTGGTGAAGATTTATGATCCAGTGTAAATATCACCTCACTGTG 1330
DB 681 GAAACATATGATGTTGGTGAAGATTTATGATCCAGTGTAAATATCACCTCACTGTG 622
QY 1331 GCCCAGGTTGAGAGGAGATGTTGTTAGCTAAGCAATTCATAGTCTCCCTTTGAT 1390
DB 621 GCCCAGGTTGAGAGGAGATGTTGTTAGCTAAGCAATTCATAGTCTCCCTTTGAT 562
QY 1391 TGTGAGATTATGCTGTAAGTAAAGTATGCTGACAAATCTTACA 1439
DB 561 TGTGAGATTATGCTGTAAGTAAAGTATGCTGACAAATCTTACA 513

RESULT 8

AA435800/c 390 bp mRNA linear EST 09-NOV-1997

LOCUS AA435800
DEFINITION zt78a10.s1 Soares, testis, NHT Homo sapiens cDNA clone IMAGE:728442
3, similar to gb:U99487 PROSTATE-SPECIFIC MEMBRANE ANTIGEN (HUMAN); contains Alu repetitive element; mRNA sequence.

ACCESSION AA435800
VERSION AA435800.1 GI:2140714
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens

REFERENCE 1 (bases 1 to 390)
Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.

AUTHORS Hillier, L., Allen, M., Bowles, L., Dubuque, T., Geisel, G., Jost, S., Krizman, D., Kucaba, T., Lacy, M., Le, N., Lennon, G., Maira, M., Martin, J., Moore, B., Schellenberg, K., Steptoe, M., Tan, F., Theising, B., White, Y., Wylie, T., Waterston, R., and Wilson, R.
TITLE Mashu-NCI human EST Project

JOURNAL
COMMENT

Unpublished (1997)
Contact: Wilson RK
Washington University School of Medicine
4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1800
Fax: 314 286 1810
Email: est@wustl.wustl.edu
This clone is available royalty-free through LNL; contact the
IMAGE Consortium (info@image.lnl.gov) for further information.
Insert Length: 1837 Std Error: 0.00
Seq primer: -41m13 fwd. ET from Amersham
High quality sequence stop: 359.
Location/Qualifiers

FEATURES

source

```
1. 390
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="GDB:5925355"
/db_xref="taxon:9606"
/clone="IMAGE:728442"
/sex="male"
/lab_host="DH10B"
/clone_lib="Soares_testis_NHT"
/note="Vector: pRT3D-Pac (Pharmacia) with a modified
polylinker; Site 1: Not I; Site 2: Eco RI; 1st strand cDNA
was prepared from mRNA obtained from Clontech
Laboratories, Inc., and primed with a Not I - oligo(dT)
primer [5].
TGTTACCAATCTGAAGTGGAGGGGCGCCCAATTTTCTTTTCTTTT 3'}.
Double-stranded cDNA was ligated to Eco RI adaptors
(Pharmacia), digested with Not I and cloned into the Not I
and Eco RI sites of the modified pRT73 vector. Library
went through one round of normalization to Cos, and was
constructed by Bento Soares and M. Fatima Bonaldo. "
```

ORIGIN

```
Query Match 15.4%; Score 306; DB 9; Length 390;
Best Local Similarity 100.0%; Pred. No. 3e-48;
Matches 306; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1664 AGGCATGTCATCTATGCTCCAGACGACCAACAAAGTATGAGAGGAGTCTTCCAGGA 1723
DB 306 AGGCATGTCATCTATGCTCCAGACGACCAACAAAGTATGAGAGGAGTCTTCCAGGA 247
QY 1724 ATTTATGATCTCTGTTGATTTGAAGCAAGTGAACCTTCCAAAGGCTGGGAGAT 1783
DB 246 ATTTATGATCTCTGTTGATTTGAAGCAAGTGAACCTTCCAAAGGCTGGGAGAT 187
QY 1784 GTGAAGACAGATTTCTGTGACGCTTCACAGTGCAGGACGTGCAGAGACTTTGAGT 1843
DB 186 GTGAAGACAGATTTCTGTGACGCTTCACAGTGCAGGACGTGCAGAGACTTTGAGT 127
QY 1844 GAAGTACCTTAAGAGATTTCTTAAGACCTCTGATTTGAATTTGTGTGATGTCATCA 1903
DB 126 GAAGTACCTTAAGAGATTTCTTAAGACCTCTGATTTGAATTTGTGTGATGTCATCA 67
QY 1904 AAGATATATATGGGTATTTGATTAATTTTAAATTTGATATTTGAATTAAGTTGAA 1963
DB 66 AAGATATATATGGGTATTTGATTAATTTTAAATTTGATATTTGAATTAAGTTGAA 7
QY 1964 TATTAT 1969
DB 6 TATTAT 1
```

RESULT 9
AL532691/c 1201 bp mRNA linear EST 23-MAY-2003
LOCUS AL532691 Homo sapiens ADULT BRAIN Homo sapiens cDNA clone
DEFINITION CS0DN001YK13 3-PRIME, mRNA sequence.
ACCESSION AL532691
VERSION AL532691
KEYWORDS EST.
SOURCE Homo sapiens (human)

ORGANISM

Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
1 (bases 1 to 1201)
Li, W.B., Gruber, C., Jesse, J., and Polayes, D.
Full-length cDNA libraries and normalization
Unpublished (2001)
On Feb 13, 2001 this sequence version replaced gi:12796184.
COMMENT
Contact: Genoscope
Genoscope - Centre National de Sequencage
BP 191 91006 Evry cedex - France
Email: seq@genoscope.cns.fr, Web : www.genoscope.cns.fr
Library was constructed by Life Technologies, a division of
Invitrogen. This sequence belongs to sequence cluster 5903.r For
more information about this cluster, see
http://www.genoscope.cns.fr/
cgi-bin/cluster.cgi?seq=CS0DN001AF07NP1&cluster=5903.r. Contact :
Feng Liang Email : fliang@life.com URL :
http://fulllength.invitrogen.com/ Invitrogen Corporation 1600
Paradise Avenue Genoscope sequence ID : CS0DN001AF07NP1.

FEATURES

source

```
1. 1201
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="CS0DN001YK13"
/risue_type="ADULT BRAIN"
/dev_stage="adult"
/clone_lib="Homo sapiens ADULT BRAIN"
/note="Organ: Brain; Vector: pCMVSPORT 6; 1st strand cDNA
was primed with a NotI-oligo(dT) primer. Five prime end
enriched, double-strand cDNA was digested with Not I and
cloned into the Not I and EcoRV sites of the pCMVSPORT 6
vector. Library was not normalized."
```

ORIGIN

```
Query Match 14.8%; Score 294; DB 9; Length 1201;
Best Local Similarity 99.8%; Pred. No. 1.7e-46;
Matches 414; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY 1026 ACACTTAACAAAGAGCTGAAAGCCCTGATGAGAGGCTTTGAAGCAATCTTTTANG 1085
DB 846 ACACTTAACAAAGAGCTGAAAGCCCTGATGAGAGGCTTTGAAGCAATCTTTTANG 787
QY 1086 AAGTTGGACTAAAGAAAGCTCTCCAGAGTTCAGTGGCAATGCCAGATTAAGCAAT 1145
DB 786 AAGTTGGACTAAAGAAAGCTCTCCAGAGTTCAGTGGCAATGCCAGATTAAGCAAT 727
QY 1146 TGGGATCTGAAATGATTTTGAAGTGTCTTCCACAGCTTGAATTTGCTTCAG-CCAGA 1204
DB 726 TGGGATCTGAAATGATTTTGAAGTGTCTTCCACAGCTTGAATTTGCTTCAGCCAGA 667
QY 1205 GCACGGTATATCTTAAATTTGGGAACAACAAATTCAGCGGCTATCCACTGATCAAGT 1264
DB 666 GCACGGTATATCTTAAATTTGGGAACAACAAATTCAGCGGCTATCCACTGATCAAGT 607
QY 1265 GTCATGAACAATATGATTTGTTGGAAGTTTATGATCAATGTTTAAATATCACTC 1324
DB 606 GTCATGAACAATATGATTTGTTGGAAGTTTATGATCAATGTTTAAATATCACTC 547
QY 1325 ACTGTGGCCAGGTTGAGAGGAGATGTTTGAAGTATCCCAATTCATAGTCTCCCT 1384
DB 546 ACTGTGGCCAGGTTGAGAGGAGATGTTTGAAGTATCCCAATTCATAGTCTCCCT 487
QY 1385 TTTGATTTGAGATTTATGCTGTTTAAAGAAATATGCTGACAAATCTTACA 1439
DB 486 TTTGATTTGAGATTTATGCTGTTTAAAGAAATATGCTGACAAATCTTACA 432
```

RESULT 10
BG203378/c 305 bp mRNA linear EST 21-APR-2001
LOCUS BG203378/c
DEFINITION RST22759 Athereys RAGE Library Homo sapiens cDNA, mRNA sequence.

ACCESSION BG203378
VERSION BG203378.1 GI:13725065
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
REFERENCE
AUTHORS Harrington,J.J., Sherf,B., Rundlett,S., Jackson,P.D., Perry,R.,
Cain,S., Leventhal,C., Thornton,M., Ramchandran,R.,
Whittington,J., Letner,L., Costanzo,D., McElligott,K., Booser,S.,
Mays,R., Smith,E., Veloso,N., Kika,A., Hess,J., Cochren,K., Lo,K.,
Offenbacher,J., Danzig,J. and Ducar,M.
TITLE Creation of genome-wide protein expression libraries using random
activation of gene expression
JOURNAL Nat. Biotechnol. 19 (5), 440-445 (2001)
MEDLINE 21227151
PUBMED 11329013
COMMENT Contact: Scott J. Cain
Athersys, Inc.
3201 Carnegie Ave, Cleveland, OH 44115, USA
Tel: 216 431 9900
Fax: 216 361 9596
Email: scain@athersys.com
High quality sequence stop: 305.
Location/Qualifiers
1. 305
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/cell_line="HT1080"
/clone_lib="Athersys RAGE Library"
/note="See 'Creation of Genome-wide Protein Expression
Libraries using Random Activation of Gene Expression',
Nature Biotechnology, in press. Note that even though the
cell type indicated is HT1080, since a random activation
method was used, these sequence tags are not necessarily
expressed in HT1080 under normal circumstances."
ORIGIN
Query Match 14.3%; Score 284; DB 12; Length 305;
Best Local Similarity 100.0%; Pred. No. 4.7e-44;
Matches 284; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1676 TATGCTCAAGCAGCCCAACAAGTATGACAGGAGATCTCCAGAAATTTATGATGCT 1735
DB 296 TATGCTCAAGCAGCCCAACAAGTATGACAGGAGATCTCCAGAAATTTATGATGCT 237
QY 1736 CTGTTGATATTTGAAGCAAGTGAACCTTCCAAAGCCTGGGAGATGGAAGAGACAG 1795
DB 236 CTGTTGATATTTGAAGCAAGTGAACCTTCCAAAGCCTGGGAGATGGAAGAGACAG 177
QY 1796 ATTTCTGTCAGCCTTCAAGTGCAGAGCTGCAGAGACTTGAAGTGAAGTGAAGCTTAA 1855
DB 176 ATTTCTGTCAGCCTTCAAGTGCAGAGCTGCAGAGACTTGAAGTGAAGTGAAGCTTAA 117
QY 1856 GAGATCTTTAAGAGACTCTGTATGTAATTTGTGTGTATGCTCACTAAAGATATATAT 1915
DB 116 GAGATCTTTAAGAGACTCTGTATGTAATTTGTGTGTATGCTCACTAAAGATATATAT 57
QY 1916 GGGTATATGATTAATTTAAATTTGATATATTTGAATAAAGT 1959
DB 56 GGGTATATGATTAATTTAAATTTGATATATTTGAATAAAGT 13
RESULT 11
BG202823 797 bp mRNA linear EST 21-Apr-2001
LOCUS BGT22191 Athersys RAGE Library Homo sapiens cDNA, mRNA sequence.
DEFINITION BGT202823
ACCESSION BG202823.1 GI:13724510
VERSION BGT202823.1
KEYWORDS EST.
SOURCE Homo sapiens (human)

ORGANISM Homo sapiens
REFERENCE
AUTHORS Harrington,J.J., Sherf,B., Rundlett,S., Jackson,P.D., Perry,R.,
Cain,S., Leventhal,C., Thornton,M., Ramchandran,R.,
Whittington,J., Letner,L., Costanzo,D., McElligott,K., Booser,S.,
Mays,R., Smith,E., Veloso,N., Kika,A., Hess,J., Cochren,K., Lo,K.,
Offenbacher,J., Danzig,J. and Ducar,M.
TITLE Creation of genome-wide protein expression libraries using random
activation of gene expression
JOURNAL Nat. Biotechnol. 19 (5), 440-445 (2001)
MEDLINE 21227151
PUBMED 11329013
COMMENT Contact: Scott J. Cain
Athersys, Inc.
3201 Carnegie Ave, Cleveland, OH 44115, USA
Tel: 216 431 9900
Fax: 216 361 9596
Email: scain@athersys.com
High quality sequence stop: 548.
Location/Qualifiers
1. 797
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/cell_line="HT1080"
/clone_lib="Athersys RAGE Library"
/note="See 'Creation of Genome-wide Protein Expression
Libraries using Random Activation of Gene Expression',
Nature Biotechnology, in press. Note that even though the
cell type indicated is HT1080, since a random activation
method was used, these sequence tags are not necessarily
expressed in HT1080 under normal circumstances."
ORIGIN
Query Match 14.1%; Score 281; DB 12; Length 797;
Best Local Similarity 99.4%; Pred. No. 6.8e-44;
Matches 501; Conservative 0; Mismatches 2; Indels 1; Gaps 1;
QY 1015 CAGCTTGATATACACTTAACAAGAGCTGAAAAGCCCTGATGAAGGCTTTGAAGCAA 1074
DB 114 CAGCTTGATATACACTTAACAAGAGCTGAAAAGCCCTGATGAAGGCTTTGAAGCAA 173
QY 1075 ATCTCTTTATGAAGTTGACATTAATAAAGTCTTCCAGAGTTCAGTGCATGCCAG 1134
DB 174 ATCTCTTTATGAAGTTGACATTAATAAAGTCTTCCAGAGTTCAGTGCATGCCAG 233
QY 1135 G-ATAAGCAAAATGGGATCTGGAATGATTTTGAAGTCTTCCAAACCACTTGAATTTG 1193
DB 234 GATTAAGCAAAATGGGATCTGGAATGATTTTGAAGTCTTCCAAACCACTTGAATTTG 293
QY 1194 CTTCAAGCAGAGCAGCGTATCTAATAAATTTGGAAACAACAATTCAGCGCTATCCAC 1253
DB 294 CTTCAAGCAGAGCAGCGTATCTAATAAATTTGGAAACAACAATTCAGCGCTATCCAC 353
QY 1254 TGTATCAAGTGTCTATGAACAATATGATGCTGTGGAAGATTTTATGATCAATGTTTA 1313
DB 354 TGTATCAAGTGTCTATGAACAATATGATGCTGTGGAAGATTTTATGATCAATGTTTA 413
QY 1314 AATATCACTCACTGAGGCCAGGTTCCGAGAGGAGTGTGTTGAGCTAGCAATTTCCA 1373
DB 414 AATATCACTCACTGAGGCCAGGTTCCGAGAGGAGTGTGTTGAGCTAGCAATTTCCA 473
QY 1374 TAGTGCTCCCTTTGATGTCAGATTATGCTGATTTTAAAGAAATGTCGACAAA 1433
DB 474 TAGTGCTCCCTTTGATGTCAGATTATGCTGATTTTAAAGAAATGTCGACAAA 533
QY 1434 TCTACAAATTTTCTATGAACAATCCACAGAGAAATGAAGACATACAGTTATTCATTTGATT 1493
DB 534 TCTACAAATTTTCTATGAACAATCCACAGAGAAATGAAGACATACAGTTATTCATTTGATT 593
QY 1494 CACTTTTCTGCAATTAATAAATTT 1517

Db 594 CACTTTTCTCGAGTAAAAATT 617
|||||
RESULT 12
CB216928 508 bp mRNA linear EST 06-FEB-2003
LOCUS nq10e02.y1 NICHD_HS_Ut2 Homo sapiens cDNA clone IMAGE:5938635
DEFINITION 5', mRNA sequence.
ACCESSION CB216928
VERSION CB216928.1 GI:28265120
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
REFERENCE 1 (bases 1 to 508)
AUTHORS NCI-CCAP http://www.ncbi.nlm.nih.gov/ncicgap.
TITLE National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
Tumor Gene Index
JOURNAL Unpublished (1997)
COMMENT Contact: Robert Strausberg, Ph.D.
Email: cga@ds-r@mail.nih.gov
CDNA Library Preparation: CDNA Library Arrayed by: The I.M.A.G.E. Consortium/LNL
DNA Sequencing by: National Institutes of Health Intramural
Sequencing Center (INSC)
Clone distribution: NCI-CCAP clone distribution information can be
found through the I.M.A.G.E. Consortium/LNL at:
info@image.llnl.gov
plate: LLAM13167 row: 1 column: 4
Seg primer: M13RP1 reverse primer (ABI).
location/Qualifiers
1..508
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="IMAGE:5938635"
/sex="female"
/tissue_type="normal endometrium, mid-secretory phase,
cycle day 23"
/lab_host="DH10B (T1-resistant)"
/clone_lib="NICHD HS Ut2"
/note="Organ: uterus; Vector: pCMV-SPORT6.1.cdb (Reagen,
Invitrogen Corporation); Site 1: NciI; Site 2: EcoRV.
Cloned unidirectionally from microquantity amounts of mRNA
from normal endometrial tissue (mid-secretory phase, cycle
day 23). Average insert size 1.6 kb. Library constructed
by Reagen (Invitrogen Corporation)."
ORIGIN
Query Match 14.0%; Score 279; DB 14; Length 508;
Best Local Similarity 99.2%; Pred. No. 2.5e-43;
Matches 479; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
QY 662 AGAATTACATGATGATGATGATCTCAGAGGAGCAGTGAACAGACAGATATGCTATT 721
DB 26 AGAATTACATGATGATGATGATCTCAGAGGAGCAGTGAACAGACAGATATGCTATT 85
QY 722 CTGGAGAGTCAACCGGAGCTCATGGGTGTTGTGTGATTTAGACCTTCAGAGTGAAGCAGCT 781
DB 86 CTGGAGAGTCAACCGGAGCTCATGGGTGTTGTGTGATTTAGACCTTCAGAGTGAAGCAGCT 145
QY 782 GTTGTTCATGAATCTGAGAGAGCTTTGGAACACTGAAAAAGAGAGGTGAAGACTTGA 841
DB 146 GTTGTTCATGAATCTGAGAGAGCTTTGGAACACTGAAAAAGAGAGGTGAAGACTTGA 205
QY 842 AGAACAATTTTGTGAGTGGAGTGAAGAGAAATTTGCTCTTGTGTTCTACTGAG 901
DB 206 AGAACAATTTTGTGAGTGGAGTGAAGAGAAATTTGCTCTTGTGTTCTACTGAG 265
QY 902 TGGGACAGAGATATTCAGAGCTCTTCAAGAGCGTGGCTTATATTAATGCTGAC 961
|||||

Db 266 TGGGACAGAGATATTCAGAGCTCTTCAAGAGCGTGGCTTATATTAATGCTGAC 325
QY 962 TCATCTATGAGAGAACTACACTCTGAGATGATTTGATACACCACTGATGACCTTG 1021
DB 326 TCATCTATGAGAGAACTACACTCTGAGATGATTTGATACACCACTGATGACCTTG 385
QY 1022 GTATACAACTTACAAAGAGTGAAGAGCCCTGATGAGAGGCTTTGAAGCAATCTCTT 1081
DB 386 GTATACAACTTACAAAGAGTGAAGAGCCCTGATGAGAGGCTTTGAAGCAATCTCTT 445
QY 1082 TATGAAAGTTGACCTTAAAAAGTCTTCCCAAGATTGATGAGATGCCAGATTAAC 1141
DB 446 TATGAAAGTTGACCTTAAAAAGTCTTCCCAAGATTGATGAGATGCCAGATTAAC 505
QY 1142 AAA 1144
DB 506 AAA 508
RESULT 13
LOCUS BG194269 767 bp mRNA linear EST 21-APR-2001
DEFINITION RST13413 Athersys RAGE Library Homo sapiens cDNA, mRNA sequence.
ACCESSION BG194269
VERSION BG194269.1 GI:13715956
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
REFERENCE 1 (bases 1 to 767)
AUTHORS Harrington,J.D., Sherf,B., Rundlett,S., Jackson,P.D., Perry,R.,
Cain,S., Leventhal,C., Thornton,M., Ramachandran,R.,
Whittington,J., Lerner,L., Costanzo,D., McBilligott,K., Bozer,S.,
Mays,R., Smith,E., Veloso,N., Kika,A., Hess,J., Colhoun,K., Lo,K.,
Offenbacher,J., Danzig,J., and Ducar,M.
Creation of genome-wide protein expression libraries using random
activation of gene expression
Nat. Biotechnol. 19 (5), 440-445 (2001)
JOURNAL 21227151
MEDLINE 11329013
PUBMED 11329013
COMMENT Contact: Scott J. Cain
Athersys, Inc.
3201 Carnegie Ave, Cleveland, OH 44115, USA
Tel: 216 431 9900
Fax: 216 361 9596
Email: scain@athersys.com
High quality sequence stop: 550.
location/Qualifiers
1..767
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/cell_line="HT1080"
/clone_lib="Athersys RAGE Library"
/note="Sege 'Creation of Genome-wide Protein Expression
Libraries using Random Activation of Gene Expression',
Nature Biotechnology, in press. Note that even though the
cell type indicated is HT1080, since a random activation
method was used, these sequence tags are not necessarily
expressed in HT1080 under normal circumstances."
ORIGIN
Query Match 13.9%; Score 276; DB 12; Length 767;
Best Local Similarity 98.8%; Pred. No. 6.1e-43;
Matches 676; Conservative 0; Mismatches 8; Indels 0; Gaps 0;
QY 603 CTGGAACCTTTCTACACAAAAGTCAAGATGACATCCACTTACCAATGAAGTGAACA 662
DB 84 CTGGAACCTTTCTACACAAAAGTCAAGATGACATCCACTTACCAATGAAGTGAACA 143
QY 663 GAATTTACATGATGATGATGATCTTCAGAGGAGCACTGGAACCAAGACAGATATGCTATTC 722
|||||

Db 144 GAATTTCACAAATGTGATAGTACTCTCAGAGAGAGAGTGAACACAGACAGATATGTCATTTC 203
 Qy 723 TGGGAGGTCACCGGAGCTCATGGGCTTTGGTGGATATGACCCCTCAGATGAGACAGCTG 782
 Db 204 TGGGAGGTCACCGGAGCTCATGGGCTTTGGTGGATATGACCCCTCAGATGAGACAGCTG 263
 Qy 783 TTGTTTCATGAAACTGTGAGAGAGCTTTGGAACTGAAAGAGAGGAGAGAGCTTGA 842
 Db 264 TTGTTTCATGAAATGTGTGAGAGCTTTGGAACTGAAAGAGAGGAGAGAGCTTGA 323
 Qy 843 GAAACAATTTTGTTCGAAAGCTGGAGATGCAAGAAATTTGTCTTCTTGTCTTCTA 902
 Db 324 GAAACAATTTTGTTCGAAAGCTGGAGATGCAAGAAATTTGTCTTCTTGTCTTCTA 383
 Qy 903 GGGGAGAGATTAATTCAGACTCCTTCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 962
 Db 384 GGGGAGAGAGAGATTAATTCAGACTCCTTCAGAGAGAGAGAGAGAGAGAGAGAGAGAG 443
 Qy 963 CATCTATGAG 1022
 Db 444 CATCTATGAG 503
 Qy 1023 TATACAACTTACAAAG 1082
 Db 504 TACACAACTTACAAAG 563
 Qy 1083 ATGAAATTTGAG 1142
 Db 564 ATGAAATTTGAG 623
 Qy 1143 AATTTGAGATGAG 1202
 Db 624 AATTTGAGATGAG 683
 Qy 1203 GAGCAGCGTATCTAAATTAATTTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1262
 Db 684 GAGCAGCGTATCTAAATTAATTTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 743
 Qy 1263 GTGTCTATGAAACATATGAGTTGG 1286
 Db 744 GTGTCTATGAAACATATGAGTTGG 767

RESULT 14
 CF135099 427 bp mRNA linear EST 06-AUG-2003
 LOCUS U1-HF-C80-ac9-a-02-0-UI.r1 NIH_MGC_210 Homo sapiens cDNA clone
 DEFINITION IMAGE:3096075 5', mRNA sequence.
 ACCESSION CF135099
 VERSION CF135099.1 GI:33250543
 KEYWORDS EST.
 SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
 1 (bases 1 to 427)
 Normalization and subtraction: two approaches to facilitate gene
 discovery
 Genome Res. 6 (9), 791-806 (1996)
 JOURNAL MEDLINE
 PUBMED 97044477
 8889548
 COMMENT Contact: Soares, MB
 Coordinated Laboratory for Computational Genomics
 University of Iowa
 375 Newton Road, 4156 MEBRF, Iowa City, IA 52242, USA
 Tel: 319 335 8250
 Fax: 319 335 9565
 Email: bento-soares@uiowa.edu
 Tissue Procurement: Tim Ratliff
 cDNA Library Preparation: Dr. M. Bento Soares, University of Iowa
 DNA Library Arrayed by: Dr. M. Bento Soares, University of Iowa
 DNA Sequencing by: Dr. M. Bento Soares, University of Iowa

Clone Distribution: Distribution information can be found at
<http://genome.uiowa.edu/distribution/humanfl.html>
 Seq primer: PYX-5.
 Location/Qualifiers
 1..427
 /organism="Homo sapiens"
 /mol_type="mRNA"
 /db_xref="taxon:9606"
 /clone="IMAGE:3096075"
 /tissue_type="CNCAP(3)T-225 cell line"
 /lab_host="DH10B (T1 phage resistant)"
 /clone_1db="NIH_MGC_210"
 /note="Organ: Prostate; Vector: pT73 Pac; Site 1: EcoR I;
 Site 2: Not I; The library was constructed according
 Bonaïdo, Lennon and Soares, Genome Research, 6:791-806,
 1996. Denatured RNA was size fractionated on a 1% agarose
 gel. First strand cDNA synthesis was primed with oligo-dT
 primer containing a Not I site. Double strand cDNA was
 size selected according to mRNA size fraction, ligated
 with EcoR I adaptor, digested with Not I and then cloned
 directionally into pT73 Pac vector. The library tag
 sequence located between the Not I site and the polyA tail
 is CCCAC. Tissue was provided by Tim Ratliff."

ORIGIN
 Query Match 12.1%; Score 242; DB 14; Length 427;
 Best Local Similarity 99.4%; Pred. No. 2,3e-35;
 Matches 342; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 662 AGAATTACATGATGATAGGATCTCTCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 721
 Db 37 AGAATTACATGATGATAGGATCTCTCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 96
 Qy 722 CTGGAGGTCACCGGAGCTCATGGGCTTTGGTGGATATGACCCCTCAGATGAGAGAGCT 781
 Db 97 CTGGAGGTCACCGGAGCTCATGGGCTTTGGTGGATATGACCCCTCAGATGAGAGAGCT 156
 Qy 782 GTTGTTCATGAAACTGTGAGAGAGCTTTGGAACACTGAAAGAGAGAGAGAGAGAGAG 841
 Db 157 GTTGTTCATGAAATGTGAGAGAGCTTTGGAACACTGAAAGAGAGAGAGAGAGAGAG 216
 Qy 842 AGAACAATTTTGTTCGAAAGCTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 901
 Db 217 AGAACAATTTTGTTCGAAAGCTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 276
 Qy 902 TGGGAGAGAGATTAATTCAGAGCTCTTCAAGAGAGAGAGAGAGAGAGAGAGAGAGAG 961
 Db 277 TGGGAGAGAGATTAATTCAGAGCTCTTCAAGAGAGAGAGAGAGAGAGAGAGAGAGAG 336
 Qy 962 TCATCTATGAG 1005
 Db 337 TCATCTATGAG 380

RESULT 15
 CF141546 432 bp mRNA linear EST 06-AUG-2003
 LOCUS U1-HF-C80-aga-c-07-0-UI.r1 NIH_MGC_210 Homo sapiens cDNA clone
 DEFINITION IMAGE:3099613 5', mRNA sequence.
 ACCESSION CF141546
 VERSION CF141546.1 GI:33256990
 KEYWORDS EST.
 SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
 1 (bases 1 to 432)
 Normalization and subtraction: two approaches to facilitate gene
 discovery
 Genome Res. 6 (9), 791-806 (1996)
 JOURNAL MEDLINE
 PUBMED 97044477
 8889548

COMMENT

Contact: Soares, MB
Coordinated Laboratory for Computational Genomics
University of Iowa
375 Newcom Road, 4156 MEBRF, Iowa City, IA 52242, USA
Tel: 319 335 8250
Fax: 319 335 9565
Email: bento-soares@uiowa.edu
Tissue Procurement: Tim Ratliff
CDNA Library preparation: Dr. M. Bento Soares, University of Iowa
CDNA Library Arrayed by: Dr. M. Bento Soares, University of Iowa
DNA Sequencing by: Dr. M. Bento Soares, University of Iowa
Clone Distribution: Distribution information can be found at
<http://genome.uiowa.edu/distribution/humanfl.html>
Seq primer: pyx-5.

FEATURES

source

Location/Qualifiers

1..432

/organism="Homo sapiens"

/mol_type="mRNA"

/db_xref="taxon:9606"

/clone="IMAGE:3099613"

/issue_type="CNCAR(3)T-225 cell line"

/lab_host="DH10B (TI phase resistant)"

/clone_lib="NIH_MGC_210"

/note="Organ: Prostate; Vector: pT73 Pac; Site 1: EcoR I;
Site 2: Not I; The library was constructed according
Bonaldo, Lennon and Soares, Genome Research, 6:791-806,
1996. Denatured RNA was size fractionated on a 1% agarose
gel. First strand cDNA synthesis was primed with oligo-dT
primer containing a Not I site. Double strand cDNA was
size selected according to mRNA size fraction, ligated
with EcoR I adaptor, digested with Not I and then cloned
directionally into pT73 Pac vector. The library tag
sequence located between the Not I site and the polyA tail
is CCCAC. Tissue was provided by Tim Ratliff."

ORIGIN

Query Match

11.5%; Score 229; DB 14; Length 432;

Best Local Similarity 99.2%; Pred. No. 6e-34; Mismatches 3; Indels 0; Gaps 0;

Matches 379; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

```
QY 492 TTGGATACCTATGATGACAGAGAGCTCTAGAAAAAATGGGTGGCTCGACACCAACAGATA 551
Db 51 TTGGATACCTATGATGACAGAGAGCTCTAGAAAAAATGGGTGGCTCGACACCAACAGATA 110
QY 552 GCAGCTGGAGAGAGAGAGCTCAAGTCTCTACAAATGTTGAGCTGGCTTACTGGAACCT 611
Db 111 GCAGCTGGAGAGAGAGCTCAAGTCTCTACAAATGTTGAGCTGGCTTACTGGAACCT 170
QY 612 TTCTACACAAAAAGTCAGATGACATCCATCTTACCAATGAAGTACGAGAATTACA 671
Db 171 TTCTACACAAAAAGTCAGATGACATCCATCTTACCAATGAAGTACGAGAATTACA 230
QY 672 ATGTGATAGGTAATCTTCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 731
Db 231 ATGTGATAGGTAATCTTCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 290
QY 732 ACCGGAGCTATGAGTCTTGGTGTGTTGATTAACCTCAGAGTGGAGCAGCTGTTTCATG 791
Db 291 ACCGGAGCTATGAGTCTTGGTGTGTTGATTAACCTCAGAGTGGAGCAGCTGTTTCATG 350
QY 792 AAACGTGAGAGAGCTTGGAAACACTGAAAAAGAGAGAGAGAGAGAGAGAGAGAGAG 851
Db 351 AAATGTGAGAGAGCTTGGAAACACTGAAAAAGAGAGAGAGAGAGAGAGAGAGAGAG 410
QY 852 TGTTCGACAGCTGGAGTACAGA 873
Db 411 TGTTCGACAGCTGGAGTACAGA 432
```

Search completed: February 17, 2004, 18:08:42
Job time : 3565 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: February 17, 2004, 16:54:30 ; Search time 115 Seconds

(without alignments)
9612.715 Million cell updates/sec

Title: US-09-973-382C-1

Perfect score: 1992
Sequence: 1 agcaatactcactaccaca.....taaaaaaaaaaaaaaaaaa 1992

Scoring table: OLIGO_NNC

Gapop 60.0 , Gapext 60.0

Searched: 682709 seqs, 277475446 residues

Word size : 0

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Listing first 45 summaries

Database :

Issued Patents NA: *
1: /cgn2_6/ptodata/2/ina/5A_COMB.seq.*
2: /cgn2_6/ptodata/2/ina/5B_COMB.seq.*
3: /cgn2_6/ptodata/2/ina/6A_COMB.seq.*
4: /cgn2_6/ptodata/2/ina/6B_COMB.seq.*
5: /cgn2_6/ptodata/2/ina/PCTUS_COMB.seq.*
6: /cgn2_6/ptodata/2/ina/backfile1.seq.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed.
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	ID	Description
1	646	32.4	2133 4 US-09-164-034B-1	GENERAL INFORMA
2	646	32.4	2653 1 US-08-325-553-1	Sequence 1, Appl
3	646	32.4	2653 2 US-08-394-152A-1	Sequence 1, Appl
4	646	32.4	2653 4 US-08-705-477E-1	Sequence 1, Appl
5	385	19.3	2387 4 US-08-705-477E-100	Sequence 100, App
6	108	5.4	231 4 US-09-439-313-454	Sequence 454, App
7	108	5.4	231 4 US-09-352-616A-454	Sequence 454, App
8	108	5.4	231 4 US-09-636-215-454	Sequence 454, App
9	108	5.4	231 4 US-09-685-166A-454	Sequence 454, App
10	59	3.0	782 4 US-08-705-477E-97	Sequence 97, Appl
11	59	3.0	783 4 US-08-705-477E-96	Sequence 96, Appl
12	50	2.5	50 2 US-08-832-468-2	Sequence 2, Appl
13	50	2.5	50 2 US-08-832-468-6	Sequence 2, Appl
14	38	1.9	893 1 US-08-394-152A-45	Sequence 45, Appl
15	29	1.5	36 1 US-08-325-553-32	Sequence 32, Appl
16	29	1.5	36 1 US-08-325-553-33	Sequence 33, Appl
17	29	1.5	36 2 US-08-394-152A-32	Sequence 32, Appl
18	29	1.5	36 2 US-08-394-152A-33	Sequence 33, Appl
19	29	1.5	36 4 US-08-705-477E-32	Sequence 32, Appl
20	29	1.5	36 4 US-08-705-477E-33	Sequence 33, Appl
21	29	1.5	54 4 US-09-493-491-49	Sequence 49, Appl
22	29	1.5	54 4 US-09-493-491A-49	Sequence 49, Appl
23	26	1.3	309 1 US-08-171-385-11	Sequence 11, Appl
24	26	1.3	309 3 US-08-361-441B-11	Sequence 11, Appl
25	26	1.3	911 4 US-09-461-325-63	Sequence 63, Appl
26	26	1.3	911 4 US-10-012-542-63	Sequence 63, Appl
27	26	1.3	1412 4 US-09-644-907B-3	Sequence 3, Appl

C	28	25	1.3	320	1	US-08-171-385-18	Sequence 18, Appl
C	29	25	1.3	320	3	US-08-361-441B-18	Sequence 18, Appl
C	30	25	1.3	951	2	US-09-247-373B-41	Sequence 41, Appl
C	31	25	1.3	1078	2	US-08-555-723B-1	Sequence 1, Appl
C	32	25	1.3	1078	3	US-09-123-465-1	Sequence 1, Appl
C	33	25	1.3	1421	3	US-09-435-019-23	Sequence 23, Appl
C	34	25	1.3	1421	4	US-09-435-019-24	Sequence 24, Appl
C	35	25	1.3	3166	3	US-08-863-102-3	Sequence 3, Appl
C	36	25	1.3	3440	4	US-09-016-434-1489	Sequence 1489, Ap
C	37	25	1.3	5238	3	US-09-080-855-1	Sequence 1, Appl
C	38	25	1.3	5238	4	US-09-566-076-1	Sequence 1, Appl
C	39	24	1.2	24	4	US-09-493-491-50	Sequence 50, Appl
C	40	24	1.2	24	4	US-09-493-491A-50	Sequence 50, Appl
C	41	24	1.2	24	4	US-08-705-477E-124	Sequence 124, App
C	42	24	1.2	24	4	US-08-705-477E-125	Sequence 125, App
C	43	24	1.2	773	3	US-09-248-335-39	Sequence 35, Appl
C	44	24	1.2	1137	1	US-08-706-214-2	Sequence 2, Appl
C	45	24	1.2	1759	4	US-09-667-135-3	Sequence 3, Appl

ALIGNMENTS

RESULT 1
US-09-164-034B-1
GENERAL INFORMATION:
APPLICANT: Mincheff, Milcho S.
Loukinov, I. Dmitri
Zoubak, Sergei
TITLE OF INVENTION: Immunotherapy of Cancer Through Expression
of Truncated Tumor- or Tumor-Associated Antigen
NUMBER OF SEQUENCES: 1
CORRESPONDENCE ADDRESS:
ADDRESSEE: William S. Ramsey,
Ramsey, Cook, Looper & Kurlander, LLC
STREET: 10420 Little Patuxent Parkway, Suite 250
City: Columbia
STATE: Maryland
COUNTRY: USA
ZIP: 21044
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.44 MB storage
COMPUTER: PC
OPERATING SYSTEM: Windows 95
SOFTWARE: WordPerfect 8
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/164,034B
FILING DATE: 30-Sep-1998
ATTORNEY/AGENT INFORMATION:
NAME: Ramsey, William S.
REGISTRATION NUMBER: 32,715
REFERENCE/DOCKET NUMBER: b711
TELECOMMUNICATION INFORMATION:
TELEPHONE: (410) 992-9660
TELEFAX: (410) 992-9540
SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-164-034B-1
Query Match 32.4%; Score 646; DB 4; Length 2133;
Best Local Similarity 99.2%; Pred. No. 4.3e-271;
Matches 1096; Conservative 0; Mismatches 9; Indels 0; Gaps 0;
QY 335 GGTGGAATCTTCTGAGGTGTGTCACGCTGGAATATCTTAATCTGAATGTGCA 394
DB 607 GGTGGAATCTTCTGAGGTGTGTCACGCTGGAATATCTTAATCTGAATGTGCA 666
QY 395 GAGACCCCTTCACACAGGTTACCCAGCAATGATAGCTTATGAGCATGGAATTGCA 454
DB 667 GAGACCCCTTCACACAGGTTACCCAGCAATGATAGCTTATGAGCATGGAATTGCA 726
QY 455 GAGCGTGTGCTTCCAGATATCTCTGTTCATCCAGTTGATATGATGACAGAG 514
DB 727 GAGCGTGTGCTTCCAGATATCTCTGTTCATCCAGTTGATATGATGACAGAG 786

QY 515 CTCTAGAAAAAATGGGTGGCTCAGACCAACAGATGACGCTGGAGGAGTCTCAAA 574
 DB 787 CTCTAGAAAAAATGGGTGGCTCAGACCAACAGATGACGCTGGAGGAGTCTCAAA 846
 QY 575 GTGTCTTACAAATGTGGACCTGGCTTACTGAAAACCTTTCTACACAAAAAGTCAAGATG 634
 DB 847 GTGCCCTACAAATGTGGACCTGGCTTACTGAAAACCTTTCTACACAAAAAGTCAAGATG 906
 QY 635 CACATCCACTCTACCAATGAAGTACGAGAAATTTACATGTAGTACTCTCAGAGGA 694
 DB 907 CACATCCACTCTACCAATGAAGTACGAGAAATTTACATGTAGTACTCTCAGAGGA 966
 QY 695 GCAGTGGAAACCAACAGATATGTCTCTGGGAGGTACCGGGAGCTCATGGGTGTGT 754
 DB 967 GCAGTGGAAACCAACAGATATGTCTCTGGGAGGTACCGGGAGCTCATGGGTGTGT 1026
 QY 755 GGTATTGACCCCTCAGAGTGGAGAGCTGTGTTCTATGAAACTGTGAGAGCTTTGAAACA 814
 DB 1027 GGTATTGACCCCTCAGAGTGGAGAGCTGTGTTCTATGAAAATGTGAGAGCTTTGAAACA 1086
 QY 815 CTGAAAAAGGAAGGCTGGAGACCTAGAAACAAATTTGTTGCAAGCTGGAGTGCAGAA 874
 DB 1087 CTGAAAAAGGAAGGCTGGAGACCTAGAAACAAATTTGTTGCAAGCTGGAGTGCAGAA 1146
 QY 875 GAATTTGGTCTTCTGTTCTACTGAGTGGGAGAGGATAATCAAGACTCCCTCAAGAG 934
 DB 1147 GAATTTGGTCTTCTGTTCTACTGAGTGGGAGAGGATAATCAAGACTCCCTCAAGAG 1206
 QY 935 CGTGGCGTGGCTTATATTAATGCTGACTCATATAGAGAAACTACCTCTGAGAGT 994
 DB 1207 CGTGGCGTGGCTTATATTAATGCTGACTCATATAGAGAAACTACCTCTGAGAGT 1266
 QY 995 GATTGTACACCACTGATGACGCTTGTATACAACTTAACAAAAGCTGAAAAGCCCT 1054
 DB 1267 GATTGTACACCACTGATGACGCTTGTATACAACTTAACAAAAGCTGAAAAGCCCT 1326
 QY 1055 GATGAAGGCTTTGAAAGCAATCTCTTATGAAAAGTTGSACTAAAAGTCCCTCCCA 1114
 DB 1327 GATGAAGGCTTTGAAAGCAATCTCTTATGAAAAGTTGSACTAAAAGTCCCTCCCA 1386
 QY 1115 GAGTTCACTGTCATGCCAGATTAAGCAAAATGGGACTGTGAAAATGTTTGAAGTTC 1174
 DB 1387 GAGTTCACTGTCATGCCAGATTAAGCAAAATGGGACTGTGAAAATGTTTGAAGTTC 1446
 QY 1175 TTCCAAACGACTTGGAAATGCTTCAGGCGAGACGCGTATCTAAAAATTGGGAAACAAAC 1234
 DB 1447 TTCCAAACGACTTGGAAATGCTTCAGGCGAGACGCGTATCTAAAAATTGGGAAACAAAC 1506
 QY 1235 AAATTCAGCGGCTATCCACTGTATCAAGTGTATGAAAATATGAGTTGGTGGAAAAG 1294
 DB 1507 AAATTCAGCGGCTATCCACTGTATCAAGTGTATGAAAATATGAGTTGGTGGAAAAG 1566
 QY 1295 TTTTATGATCAATGTTTAAATATCACTCACTGTGCGCAGGTTCGAGAGGGATGTG 1354
 DB 1567 TTTTATGATCAATGTTTAAATATCACTCACTGTGCGCAGGTTCGAGAGGGATGTG 1626
 QY 1355 TTTGAGCTAGCCAAATTCATAGTGTCTCTTTGATGTGGAATTAATGCTGTATGTTTA 1414
 DB 1627 TTTGAGCTAGCCAAATTCATAGTGTCTCTTTGATGTGGAATTAATGCTGTATGTTTA 1686
 QY 1415 AGAAGTATGCTGACAAATCTACA 1439
 DB 1687 AGAAGTATGCTGACAAATCTACA 1711

RESULT 2
 US-08-325-553-1
 ; Sequence 1, Application US/08325553
 ; Patent No. 553886
 ; GENERAL INFORMATION:
 ; APPLICANT: Israeli, Ron S.
 ; APPLICANT: Heston, Warren D.W.

APPLICANT: Fair, William R.
 TITLE OF INVENTION: THE PROSTATE-SPECIFIC MEMBRANE ANTIGEN
 NUMBER OF SEQUENCES: 38
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Cooper & Dunham
 STREET: 30 Rockefeller Plaza
 CITY: New York
 STATE: New York
 COUNTRY: United States of America
 ZIP: 10112
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/325,553
 FILING DATE:
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US/07/973,337A
 FILING DATE: 05 NOV 1992
 ATTORNEY/AGENT INFORMATION:
 NAME: White, John P.
 REGISTRATION NUMBER: 28,678
 REFERENCE/DOCKET NUMBER: 1747/41426
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (212) 977-9550
 TELEFAX: (212) 664-0525
 TELEX: 422523 COOP UI
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 2653 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA
 HYPOTHETICAL: NO
 ANTI-SENSE: NO
 ORIGINAL SOURCE:
 ORGANISM: Homo sapiens
 TISSUE TYPE: Carcinoma
 IMMEDIATE SOURCE:
 CLONE: Prostate-Specific Membrane Antigen
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 262..2511
 US-08-325-553-1

Query Match 32.4%; Score 646; DB 1; Length 2653;
 Best Local Similarity 99.2%; Pred. No. 4,2e-271;
 Matches 1096; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

QY 335 GGTGGAAATCTTCTGAGAGTGTGTCTCAGCGTGAATAATCTTAATCTGAATGTGCA 394
 DB 994 GGTGGAAATCTTCTGAGAGTGTGTCTCAGCGTGAATAATCTTAATCTGAATGTGCA 1053
 QY 395 GGAAGACCTCTCACACCAAGTTTACCAGCAATGAATAGCTTATATGCGATGGAATTGCA 454
 DB 1054 GGAAGACCTCTCACACCAAGTTTACCAGCAATGAATAGCTTATATGCGATGGAATTGCA 1113
 QY 455 GAGGCTGTTGGTCTTCCAGATATCTCTGTTCACTCAGTTGGATCTATATGATGACAGAG 514
 DB 1114 GAGGCTGTTGGTCTTCCAGATATCTCTGTTCACTCAGTTGGATCTATATGATGACAGAG 1173
 QY 515 CTCTAGAAAAAATGGGTGGCTCAGACCAACAGATGACGCTGGAGGAGTCTCAAA 574
 DB 1174 CTCTAGAAAAAATGGGTGGCTCAGACCAACAGATGACGCTGGAGGAGTCTCAAA 1233
 QY 575 GTGTCTTACAAATGTGGACCTGGCTTACTGAAAACCTTTCTACACAAAAAGTCAAGATG 634
 DB 1234 GTGTCTTACAAATGTGGACCTGGCTTACTGAAAACCTTTCTACACAAAAAGTCAAGATG 1293

QY 635 CACATCCACTTACCAATGAGTACGAGAAATTTACATGTGATGAGTACTCTGAGAGA 694
 DB 1294 CACATCCACTTACCAATGAGTACGAGAAATTTACATGTGATGAGTACTCTGAGAGA 1353
 QY 695 GCAGTGAACCAAGACAGATATGTCATTTCTGGAGGTCCCGGAGCTCATGGGTGTTGGT 754
 DB 1354 GCAGTGAACCAAGACAGATATGTCATTTCTGGAGGTCCCGGAGCTCATGGGTGTTGGT 1413
 QY 755 GGTATTGACCTCGAGTGAAGCAGCTGTTGTCATGAACTGGAGAGGTTGGAAACA 814
 DB 1414 GGTATTGACCTCGAGTGAAGCAGCTGTTGTCATGAACTGGAGAGGTTGGAAACA 1473
 QY 815 CTGAAAAAGAAAGGTGAGAGCTAGAGAAACAATTTGTTGGCAAGCTGGAGTGCAGAA 874
 DB 1474 CTGAAAAAGAAAGGTGAGAGCTAGAGAAACAATTTGTTGGCAAGCTGGAGTGCAGAA 1533
 QY 875 GAATTTGGTCTTCTGTTGTTCTACTGAGTGGGCAAGATTAATTCAGAATCTCTTCAAGAG 934
 DB 1534 GAATTTGGTCTTCTGTTGTTCTACTGAGTGGGCAAGATTAATTCAGAATCTCTTCAAGAG 1593
 QY 935 CGTGGCGTGGCTTATTTAATGCTGACCTCATCTATAGAAAGAACTACCTGAGAGTT 994
 DB 1594 CGTGGCGTGGCTTATTTAATGCTGACCTCATCTATAGAAAGAACTACCTGAGAGTT 1653
 QY 995 GATTGTACACCACTGATGACAGCTGGTATACAACTTAACAAGAGCTGAAAAAGCCT 1054
 DB 1654 GATTGTACACCACTGATGACAGCTGGTATACAACTTAACAAGAGCTGAAAAAGCCT 1713
 QY 1055 GATGAGAGCTTTGAAAGCAAAATCTTTTATGAAAGTTGAGACTTAAAAAAGTCTTCCCA 1114
 DB 1714 GATGAGAGCTTTGAAAGCAAAATCTTTTATGAAAGTTGAGACTTAAAAAAGTCTTCCCA 1773
 QY 1115 GAGTTGAGTGGCAAGCCAGATTAAGCAAAATTTGGAGTCTGAAATTTGAGAGTGTTC 1174
 DB 1774 GAGTTGAGTGGCAAGCCAGATTAAGCAAAATTTGGAGTCTGAAATTTGAGAGTGTTC 1833
 QY 1175 TTCCAAGCACTTGAATTTGCTTCCAGAGCAGACAGCTTATCTAAAAATTTGGAAAAACAAC 1234
 DB 1834 TTCCAAGCACTTGAATTTGCTTCCAGAGCAGACAGCTTATCTAAAAATTTGGAAAAACAAC 1893
 QY 1235 AAATTCAGCGGCTTATCCACTGTATACAGTGTCTATGAAACATATGAGTTGGTGAAGAAG 1294
 DB 1894 AAATTCAGCGGCTTATCCACTGTATACAGTGTCTATGAAACATATGAGTTGGTGAAGAAG 1953
 QY 1295 TTTTATGATCCAAATTTAAATATCACTCACTGTGCCCCAGTTCGAGAGGAGTGTG 1354
 DB 1954 TTTTATGATCCAAATTTAAATATCACTCACTGTGCCCCAGTTCGAGAGGAGTGTG 2013
 QY 1355 TTTGAGCTAGCCAAATTCATAGTGTCTCCCTTTGATTTGTCAGATTTATGCTGATTTTA 1414
 DB 2014 TTTGAGCTAGCCAAATTCATAGTGTCTCCCTTTGATTTGTCAGATTTATGCTGATTTTA 2073
 QY 1415 AGAAAGTATGCTGACAAATTTCTACA 1439
 DB 2074 AGAAAGTATGCTGACAAATTTCTACA 2098

RESULT 3
 US-08-394-152A-1
 ; Sequence 1, Application US/08394152A
 ; Patent No. 5935818
 ; GENERAL INFORMATION:
 ; APPLICANT: Israel, Ron S.
 ; APPLICANT: Hescon, Warren D.W.
 ; APPLICANT: Fair, William R.
 ; TITLE OF INVENTION: PROSTATE-SPECIFIC MEMBRANE ANTIGEN AND
 ; TITLE OF INVENTION: USES THEREOF
 ; NUMBER OF SEQUENCES: 48
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Cooper & Dunham LLP
 ; STREET: 1185 Avenue of the Americas
 ; CITY: New York
 ; STATE: New York

COUNTRY: United States of America
 ZIP: 10036
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM 330 466 DX2
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent in Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/394,152A
 FILING DATE: 24-FEB-95
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: White, John P.
 REGISTRATION NUMBER: 28,678
 REFERENCE/DOCKET NUMBER: 41426-B
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (212) 278-0400
 TELEFAX: (212) 391-0525
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 2653 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA
 HYPOTHEICAL: NO
 ANTI-SENSE: NO
 ORIGINAL SOURCE:
 ORGANISM: Homo sapiens
 TISSUE TYPE: Carcinoma
 IMMEDIATE SOURCE:
 CLONE: Prostate-Specific Membrane Antigen
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 262..2511
 US-08-394-152A-1
 Query Match 32.4%; Score 646; DB 2; Length 2653;
 Best Local Similarity 99.2%; Pred. No. 4.2e-271;
 Matches 1096; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

QY 335 GGTGGAATCTTCTCGAGAGGTGTGTCAGCGTGAATAATCTTAATCTGAATGTGCA 394
 DB 994 GGTGGAATCTTCTCGAGAGGTGTGTCAGCGTGAATAATCTTAATCTGAATGTGCA 1053
 QY 395 GGAAGCCCTCTCACACAGGTTACCCAGCAATGAATAGCTTATAGCAATGCA 454
 DB 1054 GGAAGCCCTCTCACACAGGTTACCCAGCAATGAATAGCTTATAGCAATGCA 1113
 QY 455 GAGGCTTGTGTCTTCCAAATATTTCTGTTTCATCCAGTTGATGATGATGCAAGAG 514
 DB 1114 GAGGCTTGTGTCTTCCAAATATTTCTGTTTCATCCAGTTGATGATGATGCAAGAG 1173
 QY 515 CTCTGAAAAAATGGGTGCTCAGACACAGATGAGCTGAGAGAGTCTCAAA 574
 DB 1174 CTCTGAAAAAATGGGTGCTCAGACACAGATGAGCTGAGAGAGTCTCAAA 1233
 QY 575 GTGTCTTCAATGTTGGACCTGCTTACTGAGAACTTTTCTACAAAAAGTCAAGATG 634
 DB 1234 GTGTCTTCAATGTTGGACCTGCTTACTGAGAACTTTTCTACAAAAAGTCAAGATG 1293
 QY 635 CACATCCACTTACCAATGAGTACGAGAAATTTACATGATGATGATGATGCTTCAAGAGA 694
 DB 1294 CACATCCACTTACCAATGAGTACGAGAAATTTACATGATGATGATGATGCTTCAAGAGA 1353
 QY 695 GCAGTGAACCAAGACAGATATGTCATTTCTGGAGGTCCCGGAGCTCATGGGTGTTGGT 754
 DB 1354 GCAGTGAACCAAGACAGATATGTCATTTCTGGAGGTCCCGGAGCTCATGGGTGTTGGT 1413
 QY 755 GGTATTGACCTCGAGTGAAGCAGCTGTTGTCATGAACTGGAGAGGTTGGAAACA 814
 DB 1414 GGTATTGACCTCGAGTGAAGCAGCTGTTGTCATGAACTGGAGAGGTTGGAAACA 1473

QY	815	CTGAAAAAGAAAGGTGGAGACTTAAGAAACAATTTTGTTCGAAGCTGGGAATGCAAGAA	874
Db	1474	CTGAAAAAGAAAGGTGGAGACTTAAGAAACAATTTTGTTCGAAGCTGGGAATGCAAGAA	1533
QY	875	GAATTTGGTCTTCTTGTGTTCTTACTGAGTGGCAAGATAATTCAAGCTCTTCAAGAG	934
Db	1534	GAATTTGGTCTTCTTGTGTTCTTACTGAGTGGCAAGATAATTCAAGCTCTTCAAGAG	1593
QY	935	CGTGGCGGCTTATATTAATGCTGACCTCATCTATAGAAGAAACTACCTGAGAGTT	994
Db	1594	CGTGGCGGCTTATATTAATGCTGACCTCATCTATAGAAGAAACTACCTGAGAGTT	1653
QY	995	GATTGTACACCACTGATGTACAGCTTGTATACAACTTACAAAAAGAGCTGAAAAGCCCT	1054
Db	1654	GATTGTACACCACTGATGTACAGCTTGTATACAACTTACAAAAAGAGCTGAAAAGCCCT	1713
QY	1055	GATGAGGCTTTGAAGGCAAAATCTCTTATAGAAAGTTGGACTTAAAAAAGTCTTCCCA	1114
Db	1714	GATGAGGCTTTGAAGGCAAAATCTCTTATAGAAAGTTGGACTTAAAAAAGTCTTCCCA	1773
QY	1115	GAGTTCACTGGCAATGCCAGAGATAAGCAAAATTGGGATCTGGAAATGATTTTGAGGTGTC	1174
Db	1774	GAGTTCACTGGCAATGCCAGAGATAAGCAAAATTGGGATCTGGAAATGATTTTGAGGTGTC	1833
QY	1175	TTCCAACGACTTGGATGCTTCAAGGCAAGCAACGGTATCTAAAAATTTGGAAACAAAC	1234
Db	1834	TTCCAACGACTTGGATGCTTCAAGGCAAGCAACGGTATCTAAAAATTTGGAAACAAAC	1893
QY	1235	AAATTCAGCGGCTATCCACTGTATCAGAGTGTCTATGAACATATAGATTTGGTGGAAAG	1294
Db	1894	AAATTCAGCGGCTATCCACTGTATCAGAGTGTCTATGAACATATAGATTTGGTGGAAAG	1953
QY	1295	TTTATATGATCCAAATGTTTAAATATCATCACTCACTGTGGCCCAAGTTTCAGAGAGATGGTG	1354
Db	1954	TTTATATGATCCAAATGTTTAAATATCATCACTCACTGTGGCCCAAGTTTCAGAGAGATGGTG	2013
QY	1355	TTTAGGCTAGCAATTCATCATAGTGTCTCCCTTTGATTTGCAAGATATAGCTGTAGTTTA	1414
Db	2014	TTTAGGCTAGCAATTCATCATAGTGTCTCCCTTTGATTTGCAAGATATAGCTGTAGTTTA	2073
QY	1415	AGAAAGTATGCTGACAAATCTACA 1439	
Db	2074	AGAAAGTATGCTGACAAATCTACA 2098	
RESULT 4			
US-08-705-477E-1			
: Sequence 1, Application US/08705477E			
: Patent No. 6569432			
: GENERAL INFORMATION:			
: APPLICANT: Israel, Ron S			
: APPLICANT: Heston, Warren D.W.			
: APPLICANT: Fair, William R.			
: APPLICANT: Overfelli, Ouachek			
: APPLICANT: Pinto, John			
: TITLE OF INVENTION: PROSTATE-SPECIFIC MEMBRANE ANTIGEN AND USES THEREOF			
: FILE REFERENCE: 1769/41426-G			
: CURRENT APPLICATION NUMBER: US/08/705,477E			
: NUMBER OF SEQ ID NOS: 128			
: SOFTWARE: PatentIn version 3.1			
: SEQ ID NO 1			
: LENGTH: 2653			
: TYPE: DNA			
: ORGANISM: Homo sapiens			
US-08-705-477E-1			

	Query Match	32.4%	Score 646;	DB 4;	Length 2653;
	Best Local Similarity	99.2%;	Pred. No. 4.2e-271;		
	Matches 1096;	Conservative 0;	Mismatches 9;	Indels 0;	Gaps 0;
QY	335	GGTGGGATCTTCCGAGAGGTGGTCCAGCGTGAATATCCCTAAATCTGAATGCTGCA	394		

Dp	994	GGTTGAAATCTTCTCGAGGCGGCTGCGACGGTGAATAATCTTAAATCTGAATGTGCA	1053
Oy	395	GGAGACCCCTCTCACACCAAGGTTACCCGACAAATGAATACGTTATAGCATGGAATTGCA	454
Dp	1054	GGAAACCCCTCTCACACCAAGGTTACCCGACAAATGAATATGTTATAGCCGTGAATTGCA	1113
Oy	455	GAGCGTGTGGTCTTCCAAAGATTCCTGTTTCATCGAGTGGATACATATGATGACAGAA	514
Dp	1114	GAGCGTGTGGTCTTCCAAAGATTCCTGTTTCATCGAGTGGATACATATGATGACAGAA	1173
Oy	515	CTCTTAACAAAAATGGGTGGCTCAGCAACAACAGATAGCAGCTGGAAGAAAGTCTCAA	574
Dp	1174	CTCTTAACAAAAATGGGTGGCTCAGCAACAACAGATAGCAGCTGGAAGAAAGTCTCAA	1233
Oy	575	GTCGTCTTAACAATGTTGGAACCTGGCTTTATCTGGAACCTTTTCTACACAAAAAGTCAAGT	634
Dp	1234	GTCGTCTTAACAATGTTGGAACCTGGCTTTATCTGGAACCTTTTCTACACAAAAAGTCAAGT	1293
Oy	635	CACATCAACTCTACCAATGGAAGTACGAGAAATTTAACAATGATAGGTAATCTCAGAGA	694
Dp	1294	CACATCAACTCTACCAATGGAAGTACGAGAAATTTAACAATGATAGGTAATCTCAGAGA	1353
Oy	695	GCACTGGAACGACAGATATGTCATTCGGAAGTCAACGGGACTCAGTGGTGTGGT	754
Dp	1354	GCACTGGAACGACAGATATGTCATTCGGAAGTCAACGGGACTCAGTGGTGTGGT	1413
Oy	755	GGTATTGACCTCAGAGTGAAGCAGCTGTGTTTCATGAACCTGTGAGAGCTTTGGAACA	814
Dp	1414	GGTATTGACCTCAGAGTGAAGCAGCTGTGTTTCATGAACCTGTGAGAGCTTTGGAACA	1473
Oy	815	CTGAAAAAGAGGGGTGAGACCTAGAAACAATTTGTTTGGACGTGGGATGCGAGA	874
Dp	1474	CTGAAAAAGAGGGGTGAGACCTAGAAACAATTTGTTTGGACGTGGGATGCGAGA	1533
Oy	875	GAATTTGGTCTCTCTGGTTCCTAGTAGTGGCAGAGGATAATTCAGACTCTTCAAG	934
Dp	1534	GAATTTGGTCTCTCTGGTTCCTAGTAGTGGCAGAGGATAATTCAGACTCTTCAAG	1593
Oy	935	CGTGGCGGTATATATTAATGCTGACTCATCTATAGAGAACTACCTCTGAGATT	994
Dp	1594	CGTGGCGGTATATATTAATGCTGACTCATCTATAGAGAACTACCTCTGAGATT	1653
Oy	995	GATTGTACACCACTGATGTACAGCTTGGTATACAACTTAACAANAAGCTGAAAAGCCT	1054
Dp	1654	GATTGTACACCGCTGATGTACAGCTTGGTATACAACTTAACAANAAGCTGAAAAGCCT	1713
Oy	1055	GATGAAGGCTTTGAAGGCAAACTCTTATGAAGTTGACCTAATAAAAAAGTCTTCCCA	1114
Dp	1714	GATGAAGGCTTTGAAGGCAAACTCTTATGAAGTTGACCTAATAAAAAAGTCTTCCCA	1773
Oy	1115	GAGTTCAGTGCATGCCACGATAGCAAAATTTGGATCTGGAAATGATTTTGAAGTGTTC	1174
Dp	1774	GAGTTCAGTGCATGCCACGATAGCAAAATTTGGATCTGGAAATGATTTTGAAGTGTTC	1833
Oy	1175	TTCCAAGACTTGGAAATTTGCTTCAGGCGAGACACGGTATACTAATAATTTGGAAAAACAAC	1233
Dp	1834	TTCCAAGACTTGGAAATTTGCTTCAGGCGAGACACGGTATACTAATAATTTGGAAAAACAAC	1893
Oy	1235	AAATTCAGCGGCTATCACTGTATACAGATCTATGAAACATATGATGTTGTTGGAAGAA	1294
Dp	1894	AAATTCAGCGGCTATCACTGTATACAGATCTATGAAACATATGATGTTGTTGGAAGAA	1953
Oy	1295	TTTTATGATCCAAATGTTTAAATATACCTCACTGTGGCCAGTTCGAGAGGAGTGGT	1354
Dp	1954	TTTTATGATCCAAATGTTTAAATATACCTCACTGTGGCCAGTTCGAGAGGAGTGGT	2013
Oy	1355	TTTGAGCTAGCCAAATCCATATGCTCTCTTTGATATGTGAGATATATGCTGTAGTTT	1414
Dp	2014	TTTGAGCTAGCCAAATCCATATGCTCTCTTTGATATGTGAGATATATGCTGTAGTTT	2073
Oy	1415	AGAAAGTATGCTGACAAATCTACA	1439
Dp	2074	AGAAAGTATGCTGACAAATCTACA	2098

Accession	Sequence	Position
Db	TTTGGCTAGCCAAATTCATAGTGTCCCTTTTGAATGTGAGAAATTATGCTGTAGTTTAA	2073
Qy	AGAAGTATGCTGACAAAATCTACA	1439
Db	AGAAGTATGCTGACAAAATTTACA	2098

Query Match	19.3%	Score 385;	DB 4;	Length 2387;
Best Local Similarity	99.1%;	Pred. No. 8.9e-158;		
Matches 685;	Conservative	0;	Mismatches 6;	Indels 0;
				Gaps 0;

Y	685	TTCTCAGAGAGCAGTGTGAACACAGACAGATATGTCAATCTTGAGAGGTCAACGGGACCTCAAG	744
Y	1078	TTCTCAGAGAGCAGTGTGAACACAGACAGATATGTCAATCTTGAGAGGTCAACGGGACCTCAAG	1137
Y	745	GGTGTGTTGGTGTATTGACCTCTCAGATGTGAGCAGCTGTTGTTCAATGAACCTGTGAGAG	804
b	1138	GGGTGTTGGTGTATTGACCTCTCAGATGTGAGCAGCTGTTGTTCAATGAACCTGTGAGAG	1197
Y	805	CTTTGGAAACACTGAAAAAGAAAGGGGTGAGACCTTGAAAGAACAAATTTGTTTGGCAAGTG	864
b	1198	CTTTGGAAACACTGAAAAAGAAAGGGGTGAGACCTTGAAAGAACAAATTTGTTTGGCAAGTG	1257
Y	865	GGATGCAAGAAATTTGTCCTTCTTGTTCTACTGATGGGCAAGATAATTCAGACT	924
b	1258	GGATGCAAGAAATTTGTCCTTCTTGTTCTACTGATGGGCAAGATAATTCAGACT	1317
Y	925	CCCTTCAAGAGCGTGGGGTGGCTTTATTTAACTGTCACTCATTTAAGAAAGAACTTAAC	984
b	1318	CCCTTCAAGAGCGTGGGGTGGCTTTATTTAACTGTCACTCATTTAAGAAAGAACTTAAC	1377
Y	985	TCCTGAGAGTTGATTTGTACACCACTGATGTACAGCTTGGTATTCACACTTAACAAAGACT	1044
Y	1378	TCCTGAGAGTTGATTTGTACACCACTGATGTACAGCTTGGTATTCACACTTAACAAAGACT	1437
b	1045	GAAGAGCCCTGATGAAGGCTTTGGAAGCAATCTCTTTATGAAAGTTGACCTAAAAAAAG	1104
Y	1438	GAAGAGCCCTGATGAAGGCTTTGGAAGCAATCTCTTTATGAAAGTTGACCTAAAAAAAG	1497
b	1105	TCCCTTCCCGAGATTGATGGGATGCCAGATTAAGCAAAATTGGGATCTCGAAATGATTT	1164
Y	1498	TCCCTTCCCGAGATTGATGGGATGCCAGATTAAGCAAAATTGGGATCTCGAAATGATTT	1557
Y	1165	TGAGGTGTTCTTCCACGACTTGGAATTTGCTTCAGGCAAGACGCGTATACCTAAAAATTG	1224
b	1558	TGAGGTGTTCTTCCACGACTTGGAATTTGCTTCAGGCAAGACGCGTATACCTAAAAATTG	1617
Y	1225	GGAAACAAACAAATTTAGGGGCTATTCACCTGTATCAAGTGTCTATGAAACATATGAGTT	1284
b	1618	GGAAACAAACAAATTTAGGGGCTATTCACCTGTATCAAGTGTCTATGAAACATATGAGTT	1677
Y	1285	GGTGGAAAAATTATGATCCCAATGTTTAAATATCACTCACTGTGGCCACGAGTTCCAGG	1344
Y	1678	GGTGGAAAAATTATGATCCCAATGTTTAAATATCACTCACTGTGGCCACGAGTTCCAGG	1737
b	1345	AGGATGTGTGTTTGAAGCTAGCCAAATTCATA	1375

Query Match	5.4%	Score 108;	DB 4;	Length 231;
Best Local Similarity	100.0%	Pred. No. 1.7e-37;		
Matches 108; Conservative	0;	Mismatches	0;	Indels 0; Gaps 0

796 TGTGGAGACCTTTGGAACTGAAAAAGGAAGGTGTGAACCTAGAAAGAACATTTTGT 855
 213 TGTGGAGACCTTTGGAACTGAAAAAGGAAGGTGTGAACCTAGAAAGAACATTTTGT 154
 856 TGCACCTGGGATGCGAAGAAATTTGTCTTCTTGATTTACTAGATG 903
 153 TCGAAGCTGGGATGCGAAGAAATTTGTCTTCTTGATTTACTAGATG 106

RESULT 7
 S-09-352-616A-454/C
 Sequence 454, Application US/09352616A
 Patent No. 6395278
 GENERAL INFORMATION:
 APPLICANT: Dillon, Davin C.
 APPLICANT: Harlocker, Susan Louise
 APPLICANT: Jiang, Yucui
 APPLICANT: Xu, Jiaqichun
 APPLICANT: Mitcham, Jennifer Lynn
 TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
 TITLE OF INVENTION: OF PROSTATE CANCER AND METHODS FOR THEIR USE
 FILE REFERENCE: 210121.427C8
 CURRENT APPLICATION NUMBER: US/09/352,616A
 CURRENT FILING DATE: 1999-07-13
 NUMBER OF SEQ ID NOS: 472
 SOFTWARE: FastSeq for Windows Version 3.0
 SEQ ID NO 454
 LENGTH: 231
 TYPE: DNA
 ORGANISM: Homo sapiens
 S-09-352-616A-454

Query Match	5.4%;	Score 108;	DB 4;	Length 231;
Best Local Similarity	100.0%;	Pred. No. 1.7e-37;		
Matches 108; Conservative	0;	Mismatches	0;	Indels 0; Gaps 0

Qy 796 TGTGAGAGCTTTGGAACACTGAAAAAGAAAGGTGAGACCTTAGAAGAACAATTTGTT 855
|
|
|
Db 213 TGTGAGAGAGCTTTGGAACACTGAAAAAGAAAGGTGAGACCTTAGAAGAACAATTTGTT 154
|
|
|
Qy 856 TGCAGCTGGAGATGCAAGAAATTGGTCTTTGTTGTTCTACTGAGTG 903
|
|
|
Db 153 TGCAGCTGGAGATGCAAGAAATTGGTCTTTGTTGTTCTACTGAGTG 106
|
|
|

RESULT 8
US-09-636-215-454/c

; Sequence 454, Application US/09636215
; Patent No. 6620922

; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yugu
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Rafter, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.42717C17
; CURRENT APPLICATION NUMBER: US/09/636.215
; CURRENT FILING DATE: 2000-08-10
; NUMBER OF SEQ ID NOS: 852
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 454
; LENGTH: 231
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-636-215-454

Query Match 5.4%; Score 108; DB 4; Length 231;
Best Local Similarity 100.0%; Pred. No. 1.7e-37;
Matches 108; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 796 TGTGAGAGCTTTGGAACACTGAAAAAGAAAGGTGAGACCTTAGAAGAACAATTTGTT 855
|
|
|
Db 213 TGTGAGAGAGCTTTGGAACACTGAAAAAGAAAGGTGAGACCTTAGAAGAACAATTTGTT 154
|
|
|
Qy 856 TGCAGCTGGAGATGCAAGAAATTGGTCTTTGTTGTTCTACTGAGTG 903
|
|
|
Db 153 TGCAGCTGGAGATGCAAGAAATTGGTCTTTGTTGTTCTACTGAGTG 106
|
|
|

RESULT 9

US-09-685-166A-454/c
; Sequence 454, Application US/09685166A
; Patent No. 6630305

; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yugu
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Rafter, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.

; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C21
; CURRENT APPLICATION NUMBER: US/09/685.166A
; CURRENT FILING DATE: 2000-10-10
; NUMBER OF SEQ ID NOS: 898
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 454
; LENGTH: 231
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-685-166A-454

Query Match 5.4%; Score 108; DB 4; Length 231;
Best Local Similarity 100.0%; Pred. No. 1.7e-37;
Matches 108; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 796 TGTGAGAGCTTTGGAACACTGAAAAAGAAAGGTGAGACCTTAGAAGAACAATTTGTT 855
|
|
|
Db 213 TGTGAGAGAGCTTTGGAACACTGAAAAAGAAAGGTGAGACCTTAGAAGAACAATTTGTT 154
|
|
|
Qy 856 TGCAGCTGGAGATGCAAGAAATTGGTCTTTGTTGTTCTACTGAGTG 903
|
|
|
Db 153 TGCAGCTGGAGATGCAAGAAATTGGTCTTTGTTGTTCTACTGAGTG 106
|
|
|

RESULT 10

US-08-705-477E-97/c
; Sequence 97, Application US/08705477E
; Patent No. 6569432

; GENERAL INFORMATION:

; APPLICANT: Israeli, Ron S
; APPLICANT: Heslon, Warren D.W.
; APPLICANT: Fair, William R.
; APPLICANT: Overfelli, Ouathek
; APPLICANT: Pinto, John
; TITLE OF INVENTION: PROSTATE-SPECIFIC MEMBRANE ANTIGEN AND USES THEREOF
; FILE REFERENCE: 1769/41426-G
; CURRENT APPLICATION NUMBER: US/08/705.477E
; CURRENT FILING DATE: 1996-08-29
; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 97
; LENGTH: 782
; TYPE: DNA
; ORGANISM: Homo sapiens
; NAME/KEY: misc.feature
; LOCATION: (505)..(505)
; OTHER INFORMATION: n=any nucleotide
; US-08-705-477E-97

Query Match 3.0%; Score 59; DB 4; Length 782;
Best Local Similarity 100.0%; Pred. No. 3.2e-16;
Matches 59; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 36 AATCTGAGTGTGAGATTATTTAGAGCTTATAGTACAAAAAGAAAGGAAATTC 94
|
|
|
Db 204 AATCTGAGTGTGAGATTATTTAGAGCTTATAGTACAAAAAGAAAGGAAATTC 146
|
|
|

RESULT 11

US-08-705-477E-96
; Sequence 96, Application US/08705477E
; Patent No. 6569432

; GENERAL INFORMATION:

; APPLICANT: Israeli, Ron S

APPLICANT: Heston, Warren D.W.
APPLICANT: Fair, William R.
APPLICANT: Overfield, Onathek
APPLICANT: Pinto, John
TITLE OF INVENTION: PROSTATE-SPECIFIC MEMBRANE ANTIGEN AND USES THEREOF
FILE REFERENCE: 1169/41426-G
CURRENT APPLICATION NUMBER: US/08/705,477E
CURRENT FILING DATE: 1996-08-29
NUMBER OF SEQ ID NOS: 128
SOFTWARE: Patent version 3.1
SEQ ID NO 96
LENGTH: 783
TYPE: DNA
ORGANISM: Homo sapiens
US-08-705-477E-96

Query Match 3.0%; Score 59; DB 4; Length 783;
Best Local Similarity 100.0%; Pred. No. 3.2e-16;
Matches 59; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 36 AAATCTATGTTCTGAGATTCTTGAAGCTTATAGTACCAAGAAAGGAATTTCT 94
Db 580 AAATCTATGTTCTGAGATTCTTGAAGCTTATAGTACCAAGAAAGGAATTTCT 638

RESULT 12

US-08-832-468-2
Sequence 2, Application US/08832468
Patent No. 5962237
GENERAL INFORMATION:
APPLICANT: Ts'o, Paul O.P.
APPLICANT: Wang, Zheng-Pin
APPLICANT: Lesko, Stephen A.
APPLICANT: Nelson, William G.
APPLICANT: Partin, Alan W.
TITLE OF INVENTION: A METHOD OF ENRICHING RARE CELLS
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: Leydig, Voie & Mayer, Ltd.
STREET: 700 Thirteenth St., NW
CITY: Washington
STATE: DC
COUNTRY: US
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: IBM PC compatible
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/832,468
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60-014929
FILING DATE: 05-APR-1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Jay, Jeremy M.
REGISTRATION NUMBER: 33587
REFERENCE/DOCKET NUMBER: 72466
TELEPHONE: 202-737-6770
TELEFAX: 202-737-6770
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 50 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid (synthetic DNA)
US-08-832-468-2

Query Match 2.5%; Score 50; DB 2; Length 50;
Best Local Similarity 100.0%; Pred. No. 2.7e-12;
Matches 50; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1262 AGTGTATGAACATATGATGTTGCGAAGATTTATGATCATGTT 1311
Db 1 AGTGTATGAACATATGATGTTGCGAAGATTTATGATCATGTT 50

RESULT 13

US-08-832-468-6
Sequence 6, Application US/08832468
Patent No. 5962237
GENERAL INFORMATION:
APPLICANT: Ts'o, Paul O.P.
APPLICANT: Wang, Zheng-Pin
APPLICANT: Lesko, Stephen A.
APPLICANT: Nelson, William G.
APPLICANT: Partin, Alan W.
TITLE OF INVENTION: A METHOD OF ENRICHING RARE CELLS
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: Leydig, Voie & Mayer, Ltd.
STREET: 700 Thirteenth St., NW
CITY: Washington
STATE: DC
COUNTRY: US
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: IBM PC compatible
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/832,468
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60-014929
FILING DATE: 05-APR-1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Jay, Jeremy M.
REGISTRATION NUMBER: 33587
REFERENCE/DOCKET NUMBER: 72466
TELEPHONE: 202-737-6770
TELEFAX: 202-737-6770
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 50 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid (synthetic DNA)
US-08-832-468-6

Query Match 2.5%; Score 50; DB 2; Length 50;
Best Local Similarity 100.0%; Pred. No. 2.7e-12;
Matches 50; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1352 GTGTTGAGCTAGCCCAATTCATAGTCTCCCTTTGATTTGAGATTA 1401
Db 1 GTGTTGAGCTAGCCCAATTCATAGTCTCCCTTTGATTTGAGATTA 50

RESULT 14

US-08-394-152A-45/C
Sequence 45, Application US/08394152A
Patent No. 5935818
GENERAL INFORMATION:
APPLICANT: Israeli, Ron S.
APPLICANT: Heston, Warren D.W.

APPLICANT: Fair, William R.
TITLE OF INVENTION: PROSTATE-SPECIFIC MEMBRANE ANTIGEN AND
TITLE OF INVENTION: USES THEREOF
NUMBER OF SEQUENCES: 48
CORRESPONDENCE ADDRESS:
ADDRESSEE: Cooper & Dunham LLP
STREET: 1185 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM 330 466 DX2
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/394,152A
FILING DATE: 24-FEB-95
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: White, John P.
REGISTRATION NUMBER: 28,678
REFERENCE/DOCKET NUMBER: 41426-B
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 278-0400
TELEFAX: (212) 391-0525
INFORMATION FOR SEQ ID NO: 45:
SEQUENCE CHARACTERISTICS:
LENGTH: 893 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Homo Sapien
TISSUE TYPE: Carcinoma
IMMEDIATE SOURCE:
CLONE: Prostate Specific Membrane Antigen
US-08-394-152A-45

Query Match 1.9%; Score 38; DB 2; Length 893;
Best Local Similarity 100.0%; Pred. No. 4.2e-07;
Matches 38; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 238 CTAGGTTAAATGCCCAAGCTGGCAGGGCCAAAGAG 275
DB 38 CTAGGTTAAATGCCCAAGCTGGCAGGGCCAAAGAG 1

RESULT 15
US-08-325-553-32/c
Sequence 32, Application US/08325553
Patent No. 5538866
GENERAL INFORMATION:
APPLICANT: Israel, Ron S.
APPLICANT: Heaton, Warren D.W.
APPLICANT: Fair, William R.
TITLE OF INVENTION: THE PROSTATE-SPECIFIC MEMBRANE ANTIGEN
NUMBER OF SEQUENCES: 38
CORRESPONDENCE ADDRESS:
ADDRESSEE: Cooper & Dunham
STREET: 30 Rockefeller Plaza
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10112
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/325,553
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/973,337A
FILING DATE: 05 NOV 1992
ATTORNEY/AGENT INFORMATION:
NAME: White, John P.
REGISTRATION NUMBER: 28,678
REFERENCE/DOCKET NUMBER: 1747/41426
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 977-9550
TELEFAX: (212) 664-0525
TELEX: 422523 COOP UT
INFORMATION FOR SEQ ID NO: 32:
SEQUENCE CHARACTERISTICS:
LENGTH: 36 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Homo Sapien
TISSUE TYPE: Carcinoma
IMMEDIATE SOURCE:
CLONE: Prostate Specific Membrane Antigen
US-08-325-553-32

Query Match 1.5%; Score 29; DB 1; Length 36;
Best Local Similarity 100.0%; Pred. No. 0.0036;
Matches 29; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 842 AGACAAATTTGTTGCAAGCTGGGATGC 870
DB 36 AGACAAATTTGTTGCAAGCTGGGATGC 8

Search completed: February 17, 2004, 19:39:25
Job time : 119 secs